

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120420\
 Data File : VY003662.D
 Acq On : 04 Dec 2020 13:36
 Operator : SY/MD
 Sample : VSTDICV025
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BFB

Quant Time: Dec 05 02:12:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 04 14:35:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	252541	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	242112	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	129635	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	95697	26.80	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	107.20%
7) Chloroethane-d5	2.77	69	69439	25.77	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	103.08%
10) 1,1-Dichloroethene-d2	3.86	63	177003	26.33	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	105.32%
20) 2-Butanone-d5	6.90	46	65163	51.18	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.36%
24) Chloroform-d	7.49	84	175114	26.95	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	107.80%
26) 1,2-Dichloroethane-d4	8.15	65	99228	27.14	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	108.56%
29) Benzene-d6	8.12	84	375917	26.82	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	107.28%
33) 1,2-Dichloropropane-d6	9.12	67	112594	27.15	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	108.60%
37) Toluene-d8	10.18	98	347320	27.64	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	110.56%
38) trans-1,3-Dichloropropene-	10.44	79	54550	27.52	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	110.08%
39) 2-Hexanone-d5	10.79	63	53424	51.41	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.82%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	98709	26.71	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	106.84%
61) 1,2-Dichlorobenzene-d4	13.72	152	131797	27.98	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	111.92%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.91	85	75082	26.455	ug/L 100
3) Chloromethane	2.12	50	80734	26.212	ug/L 100
5) Vinyl chloride	2.26	62	85070	26.121	ug/L 98
6) Bromomethane	2.66	94	52292	24.832	ug/L 96
8) Chloroethane	2.80	64	51543	25.993	ug/L 93
9) Trichlorofluoromethane	3.14	101	128383	25.746	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	3.91	101	83230	25.965	ug/L 99
12) 1,1-Dichloroethene	3.89	96	78946	26.121	ug/L 93
13) Acetone	3.96	43	44759	47.958	ug/L 99
14) Carbon disulfide	4.20	76	258666	25.678	ug/L 98
15) Methyl Acetate	4.49	43	59809	25.468	ug/L 100
16) Methylene chloride	4.73	84	96996	21.874	ug/L 97
17) Methyl tert-butyl Ether	5.23	73	229529	26.793	ug/L 100
18) trans-1,2-Dichloroethene	5.23	96	87683	25.767	ug/L 97
19) 1,1-Dichloroethane	6.03	63	148157	25.934	ug/L 98
21) 2-Butanone	7.00	43	79583	48.290	ug/L 98
22) cis-1,2-Dichloroethene	7.00	96	96212	26.530	ug/L 96

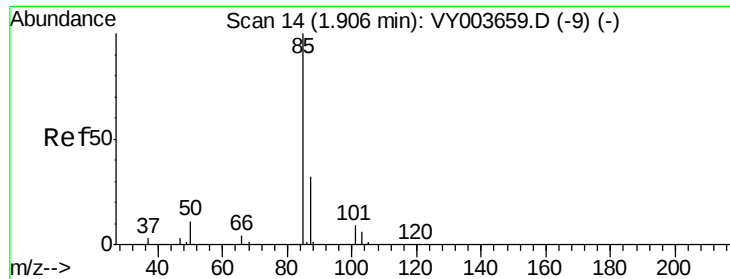
Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120420\
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 Quant Title : VOC Analysis
 QLast Update : Fri Dec 04 14:35:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.34	128	47115	26.025	ug/L	97
25) Chloroform	7.51	83	150948	26.102	ug/L	100
27) 1,2-Dichloroethane	8.25	62	102419	26.182	ug/L	100
30) Cyclohexane	7.79	56	138984	26.645	ug/L	100
31) 1,1,1-Trichloroethane	7.72	97	132338	25.642	ug/L	100
32) Carbon tetrachloride	7.91	117	118615	25.891	ug/L	98
34) Benzene	8.17	78	358643	25.894	ug/L	100
35) Trichloroethene	8.94	95	97098	25.535	ug/L	99
36) Methylcyclohexane	9.18	83	157382	27.008	ug/L	99
40) 1,2-Dichloropropane	9.22	63	91124	26.233	ug/L	100
41) Bromodichloromethane	9.50	83	114039	25.839	ug/L	96
42) cis-1,3-Dichloropropene	9.93	75	146202	26.740	ug/L	98
43) 4-Methyl-2-pentanone	10.07	43	172461	52.856	ug/L	99
44) Toluene	10.25	91	383941	26.279	ug/L	100
45) trans-1,3-Dichloropropene	10.47	75	134203	26.629	ug/L	97
46) 1,1,2-Trichloroethane	10.65	97	78892	26.343	ug/L	97
47) Tetrachloroethene	10.72	164	76832	25.945	ug/L	96
49) 2-Hexanone	10.83	43	122245	53.311	ug/L	99
50) Dibromochloromethane	10.98	129	91661	26.153	ug/L	97
51) 1,2-Dibromoethane	11.09	107	76410	26.367	ug/L	99
52) Chlorobenzene	11.51	112	250460	26.049	ug/L	99
53) Ethylbenzene	11.59	91	417139	26.162	ug/L	98
54) m,p-Xylene	11.70	106	164348	26.719	ug/L	99
55) o-xylene	12.03	106	156491	26.518	ug/L	98
56) Styrene	12.04	104	272496	26.980	ug/L	99
57) Isopropylbenzene	12.33	105	416483	26.995	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.58	83	82778	25.781	ug/L	100
59) 1,2,3-Trichloropropane	12.64	75	75739	26.384	ug/L	98
62) Bromoform	12.21	173	62868	25.690	ug/L	99
63) 1,3-Dichlorobenzene	13.36	146	202072	26.212	ug/L	99
64) 1,4-Dichlorobenzene	13.45	146	204325	26.072	ug/L	97
65) 1,2-Dichlorobenzene	13.74	146	190425	26.924	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.35	75	17149	26.028	ug/L	96
67) 1,3,5-Trichlorobenzene	14.50	180	143490	26.327	ug/L	99
68) 1,2,4-trichlorobenzene	15.01	180	126184	27.139	ug/L	99
69) Naphthalene	15.23	128	269404	27.626	ug/L	100
70) 1,2,3-Trichlorobenzene	15.42	180	113549	26.735	ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2

Dichlorodifluoromethane

Concen: 26.455 ug/L

RT: 1.91 min Scan# 14

Delta R.T. -0.00 min

Lab File: VY003662.D

Acq: 04 Dec 2020 13:36

Instrument :

MSVOA_Y

ClientSampleId :

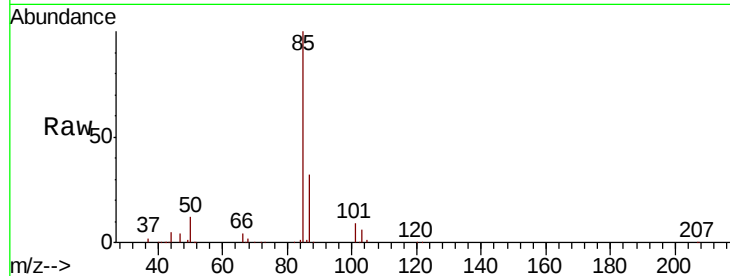
BFB

Tot Ion: 85 Resp: 75082

Ion Ratio Lower Upper

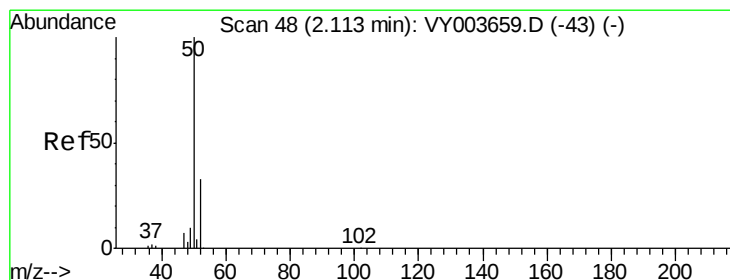
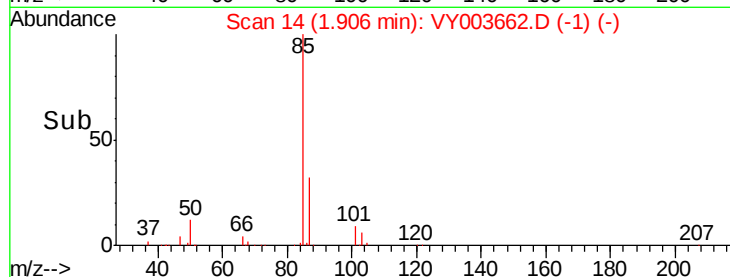
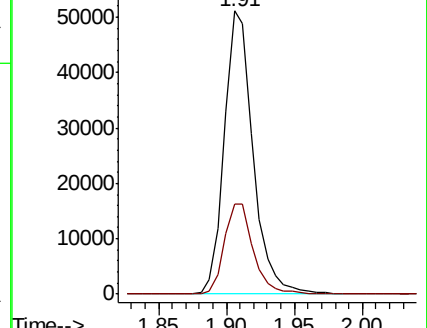
85 100

87 32.0 22.6 42.0



Abundance Ion 85.00 (84.70 to 85.70): VY003659.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VY003659.D (-9) (-)



#3

Chloromethane

Concen: 26.212 ug/L

RT: 2.12 min Scan# 49

Delta R.T. 0.01 min

Lab File: VY003662.D

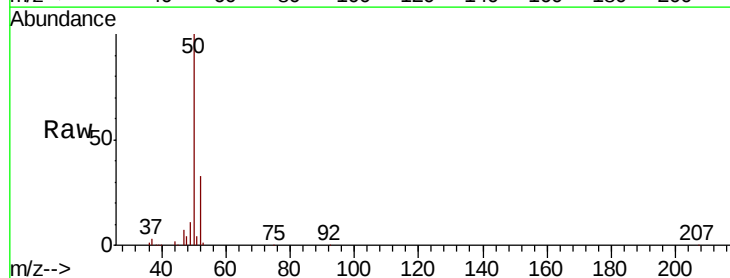
Acq: 04 Dec 2020 13:36

Tgt Ion: 50 Resp: 80734

Ion Ratio Lower Upper

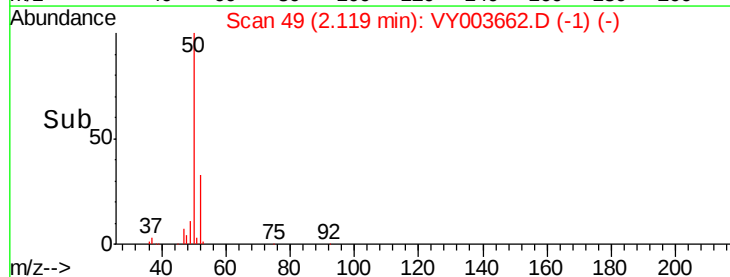
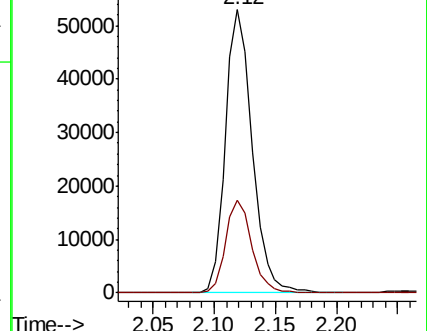
50 100

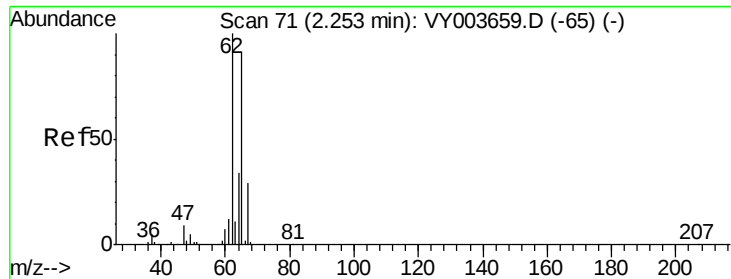
52 32.9 23.1 42.9



Abundance Ion 50.00 (49.70 to 50.70): VY003659.D (-43) (-)

Ion 52.00 (51.70 to 52.70): VY003659.D (-43) (-)





#5

Vinyl chloride

Concen: 26.121 ug/L

RT: 2.26 min Scan# 72

Delta R.T. 0.01 min

Lab File: VY003662.D

Acq: 04 Dec 2020 13:36

Instrument :

MSVOA_Y

ClientSampleId :

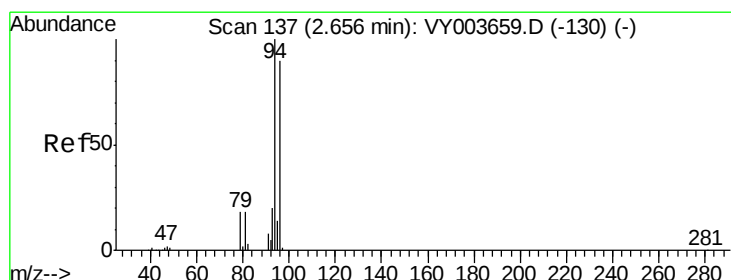
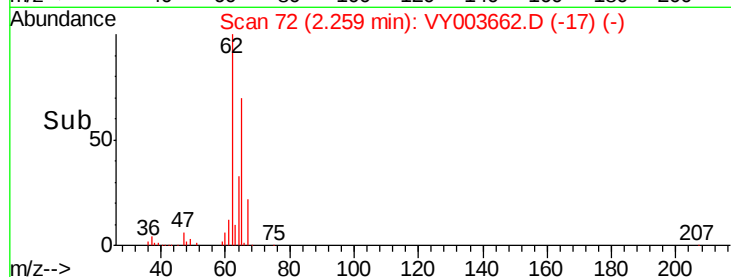
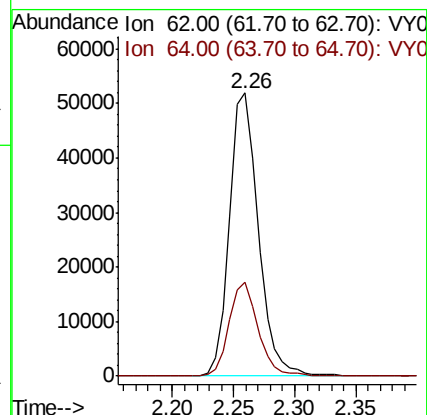
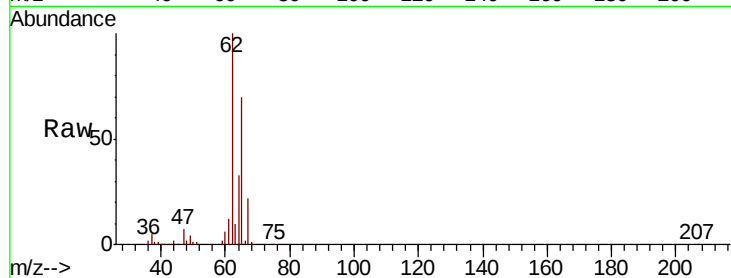
BFB

Tot Ion: 62 Resp: 85070

Ion Ratio Lower Upper

62 100

64 33.0 23.8 44.2



#6

Bromomethane

Concen: 24.832 ug/L

RT: 2.66 min Scan# 138

Delta R.T. 0.01 min

Lab File: VY003662.D

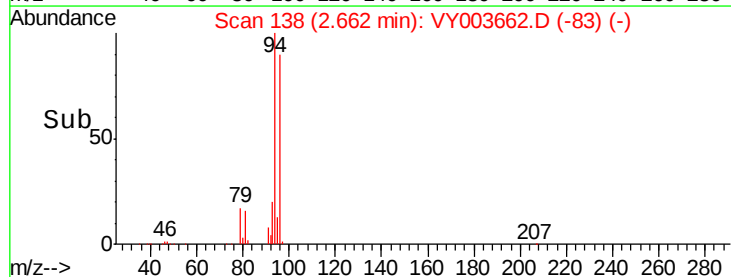
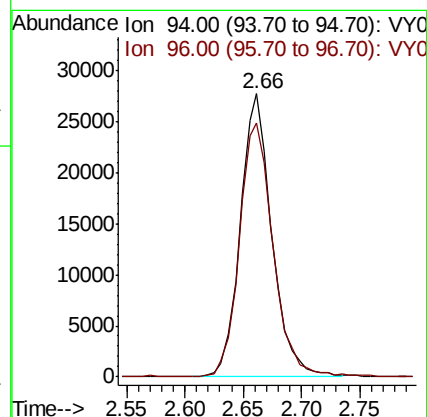
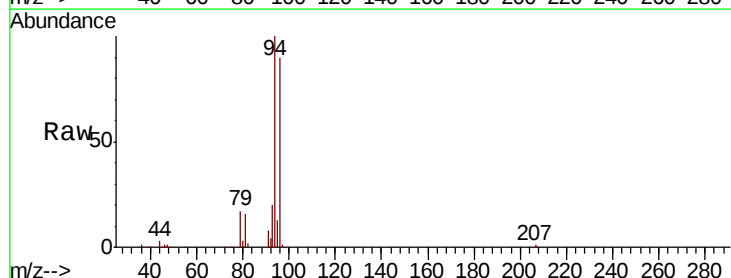
Acq: 04 Dec 2020 13:36

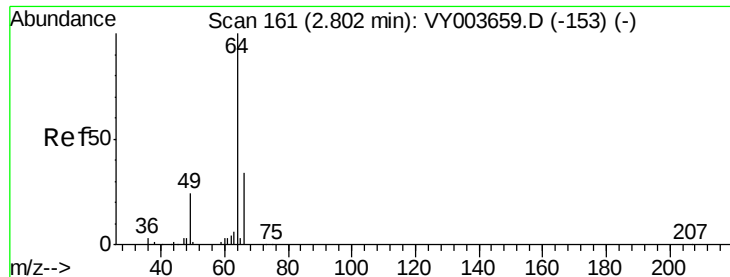
Tgt Ion: 94 Resp: 52292

Ion Ratio Lower Upper

94 100

96 95.9 9.2 174.6

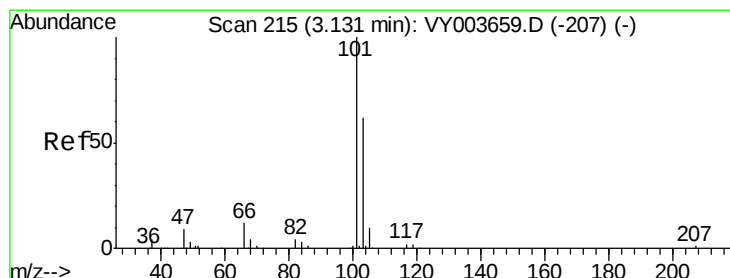
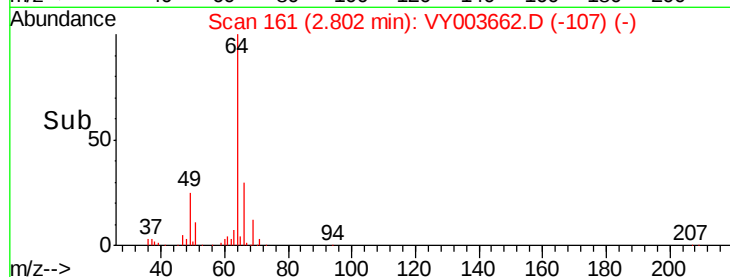
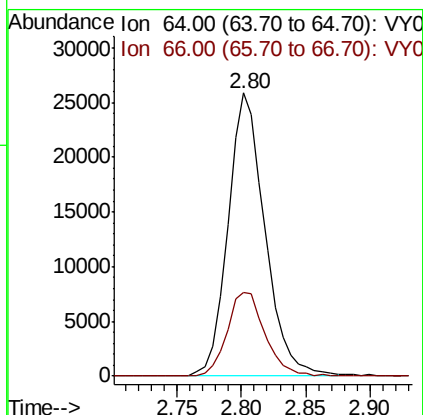
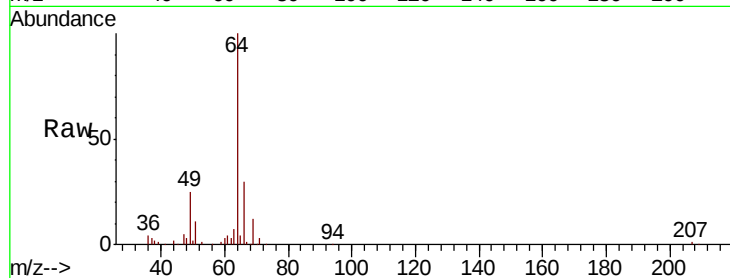




#8
Chloroethane
Concen: 25.993 ug/L
RT: 2.80 min Scan# 161
Delta R.T. -0.00 min
Lab File: VY003662.D
Acq: 04 Dec 2020 13:36

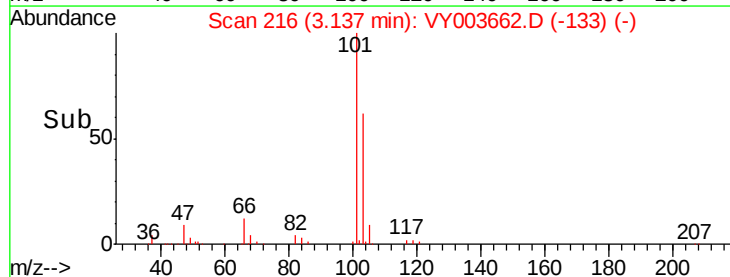
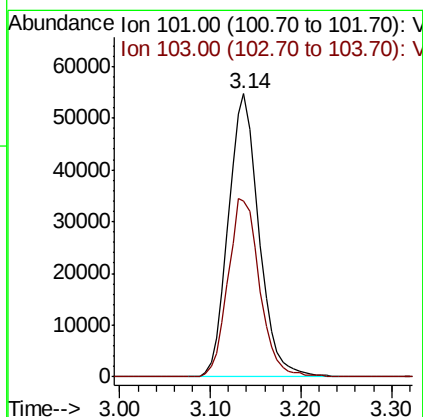
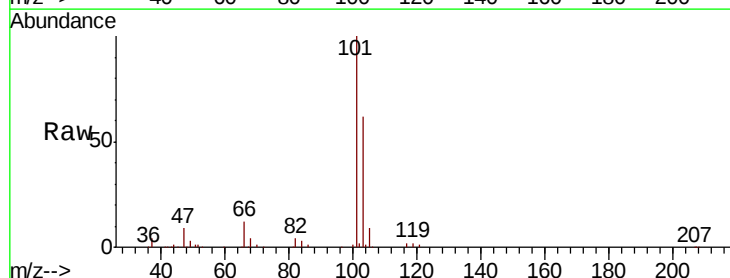
Instrument :
MSVOA_Y
ClientSampleId :
BFB

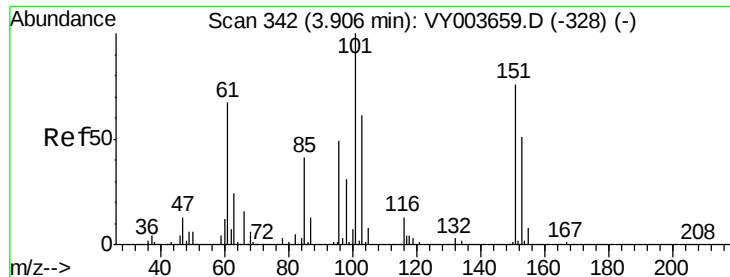
Tot Ion: 64 Resp: 51543
Ion Ratio Lower Upper
64 100
66 29.8 23.8 44.2



#9
Trichlorofluoromethane
Concen: 25.746 ug/L
RT: 3.14 min Scan# 216
Delta R.T. 0.01 min
Lab File: VY003662.D
Acq: 04 Dec 2020 13:36

Tgt Ion: 101 Resp: 128383
Ion Ratio Lower Upper
101 100
103 65.2 45.1 83.7





#11

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 25.965 ug/L

RT: 3.91 min Scan# 343

Delta R.T. 0.01 min

Lab File: VY003662.D

Acq: 04 Dec 2020 13:36

Instrument :

MSVOA_Y

ClientSampleId :

BFB

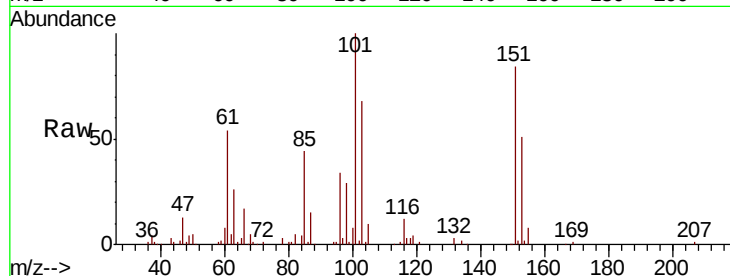
Tot Ion:101 Resp: 83230

Ion Ratio Lower Upper

101 100

85 43.5 33.9 50.9

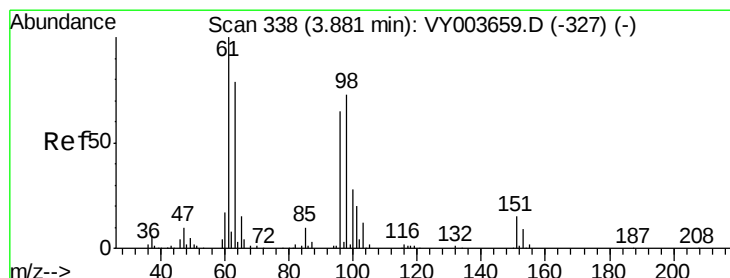
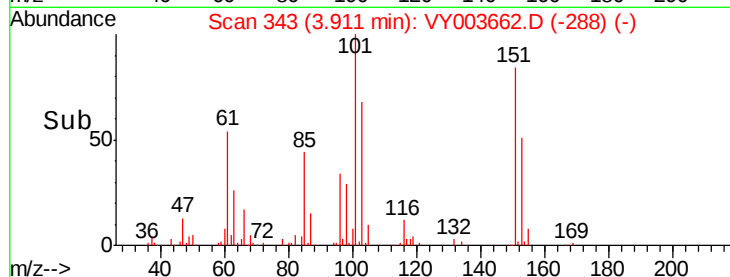
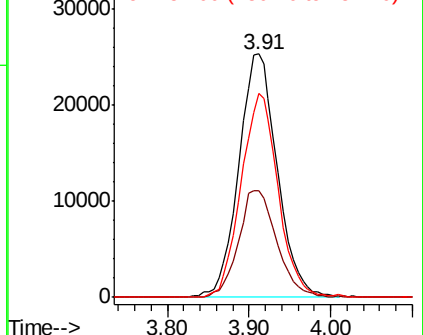
151 80.2 65.0 97.4



Abundance Ion 101.00 (100.70 to 101.70): VY003659.D (-328) (-)

Ion 85.00 (84.70 to 85.70): VY003659.D (-328) (-)

Ion 151.00 (150.70 to 151.70): VY003659.D (-328) (-)



#12

1,1-Dichloroethene

Concen: 26.121 ug/L

RT: 3.89 min Scan# 339

Delta R.T. 0.01 min

Lab File: VY003662.D

Acq: 04 Dec 2020 13:36

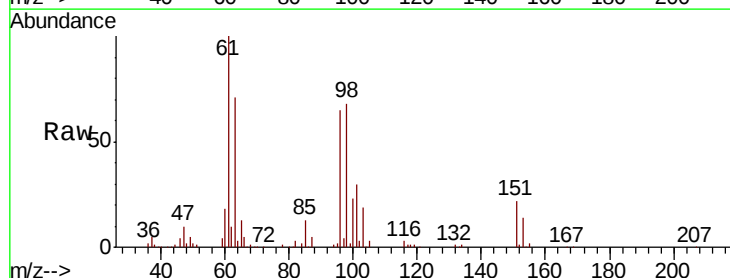
Tgt Ion: 96 Resp: 78946

Ion Ratio Lower Upper

96 100

61 154.1 108.5 201.5

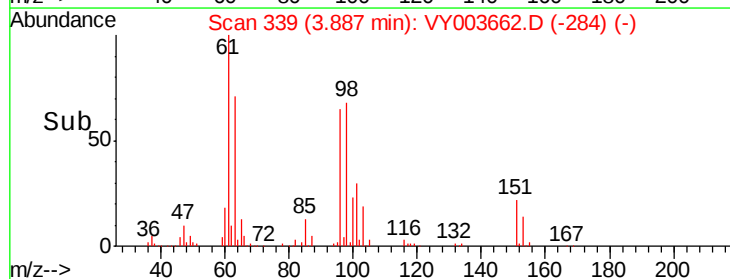
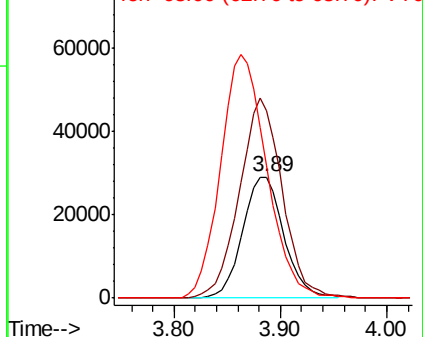
63 109.1 87.8 163.0

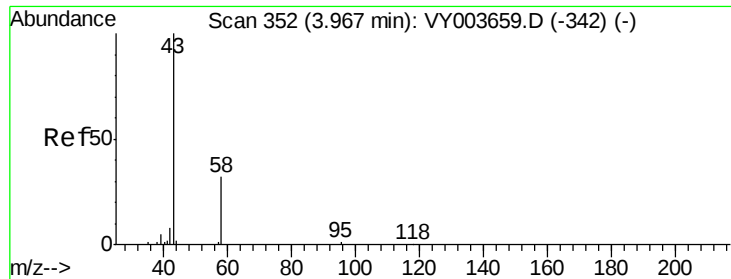


Abundance Ion 96.00 (95.70 to 96.70): VY003659.D (-327) (-)

Ion 61.00 (60.70 to 61.70): VY003659.D (-327) (-)

Ion 63.00 (62.70 to 63.70): VY003659.D (-327) (-)

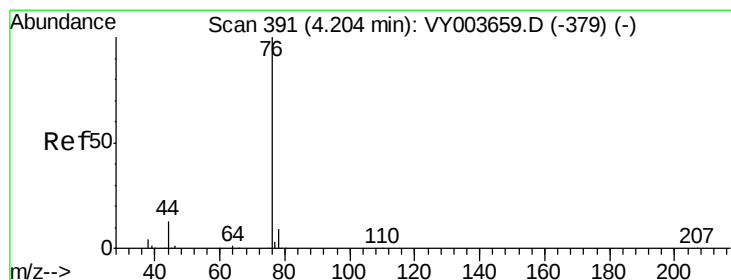
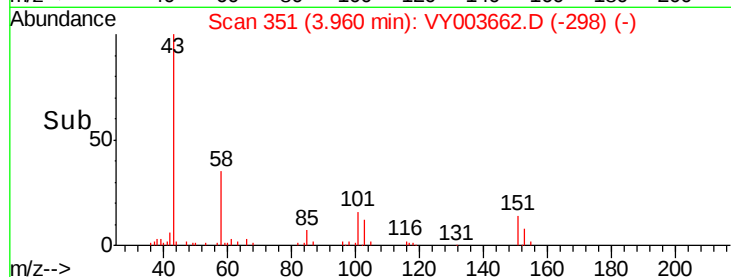
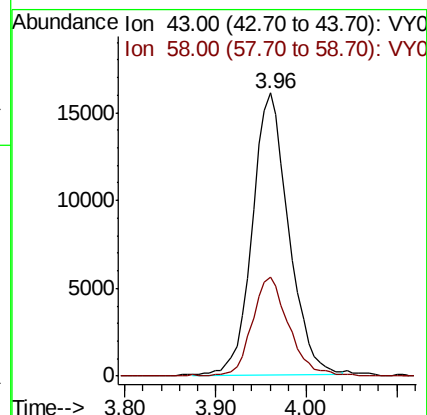
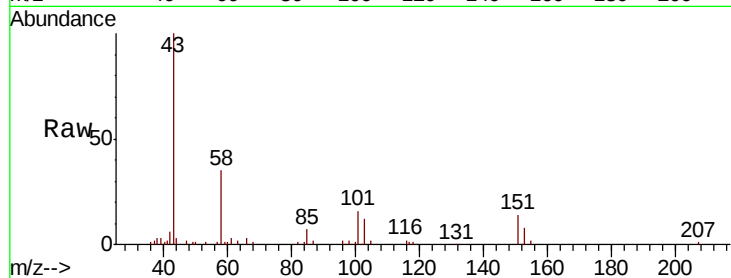




#13
Acetone
Concen: 47.958 ug/L
RT: 3.96 min Scan# 351
Delta R.T. -0.01 min
Lab File: VY003662.D
Acq: 04 Dec 2020 13:36

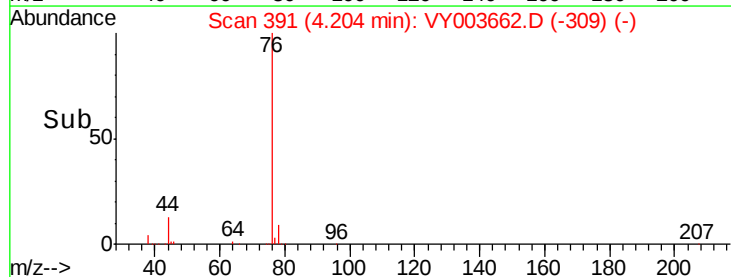
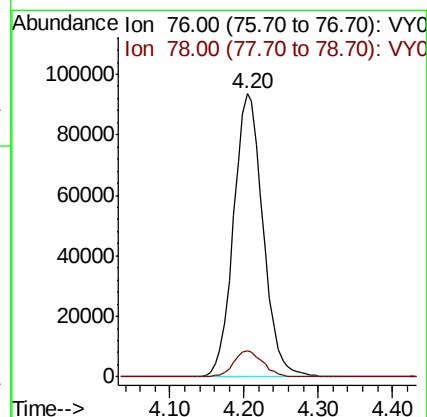
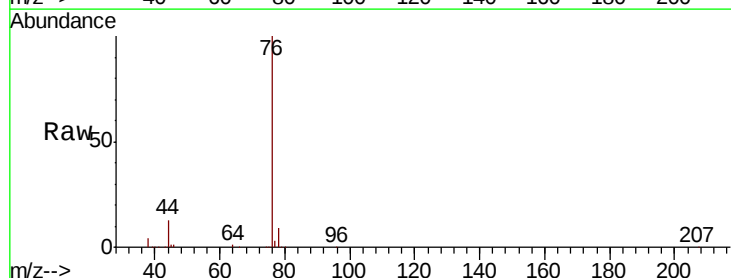
Instrument :
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ClientSampleId :
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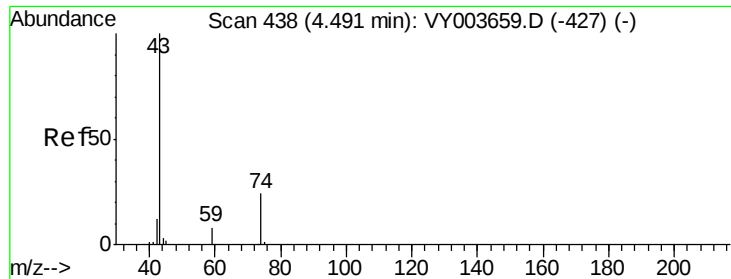
Tot Ion: 43 Resp: 44759
Ion Ratio Lower Upper
43 100
58 35.1 0.0 68.8



#14
Carbon disulfide
Concen: 25.678 ug/L
RT: 4.20 min Scan# 391
Delta R.T. -0.00 min
Lab File: VY003662.D
Acq: 04 Dec 2020 13:36

Tgt Ion: 76 Resp: 258666
Ion Ratio Lower Upper
76 100
78 9.4 7.0 10.6





#15

Methyl Acetate

Concen: 25.468 ug/L

RT: 4.49 min Scan# 438

Delta R.T. -0.00 min

Lab File: VY003662.D

Acq: 04 Dec 2020 13:36

Instrument :

MSVOA_Y

ClientSampleId :

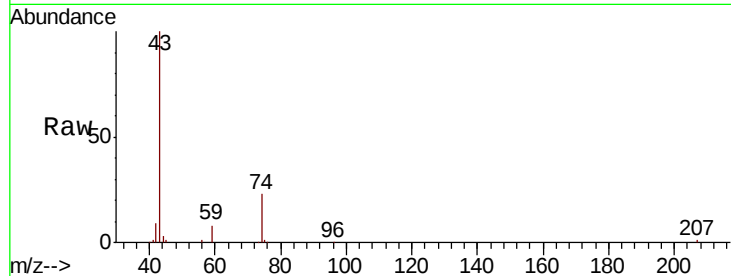
BFB

Tot Ion: 43 Resp: 59809

Ion Ratio Lower Upper

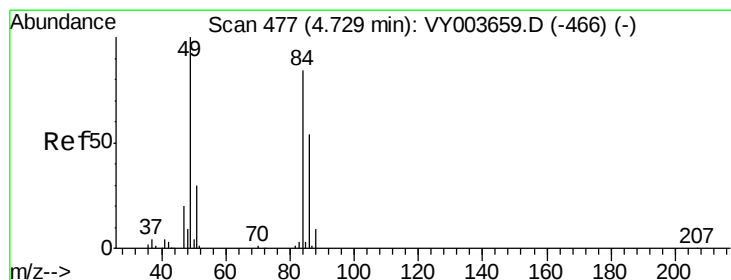
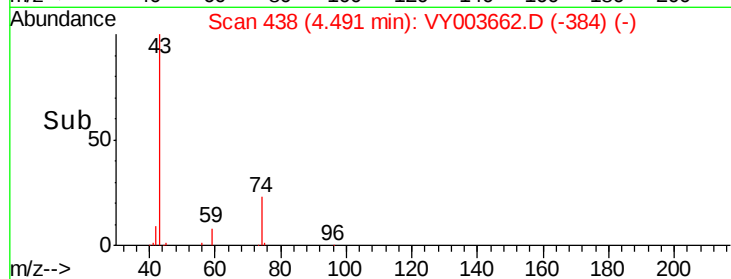
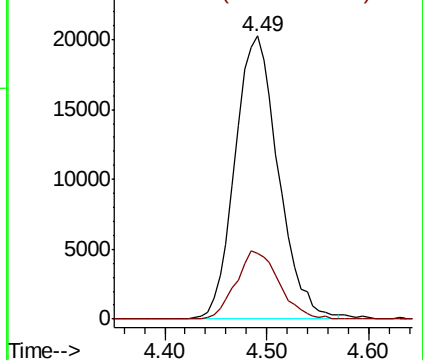
43 100

74 23.8 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0



#16

Methylene chloride

Concen: 21.874 ug/L

RT: 4.73 min Scan# 477

Delta R.T. -0.00 min

Lab File: VY003662.D

Acq: 04 Dec 2020 13:36

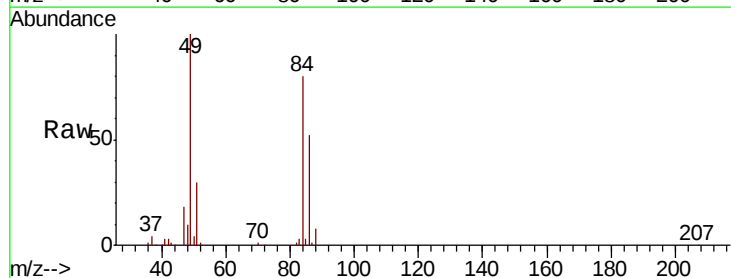
Tgt Ion: 84 Resp: 96996

Ion Ratio Lower Upper

84 100

49 124.3 83.7 155.4

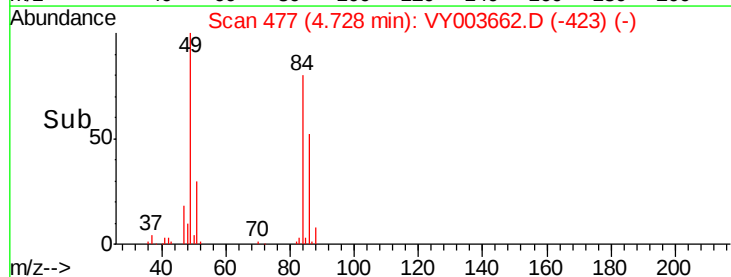
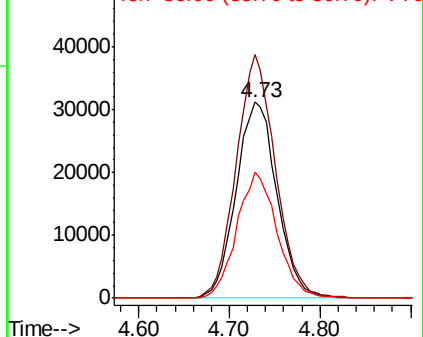
86 64.3 45.0 83.6

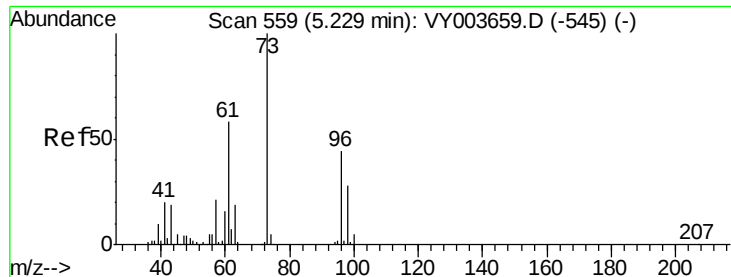


Abundance Ion 84.00 (83.70 to 84.70): VY0

Ion 49.00 (48.70 to 49.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

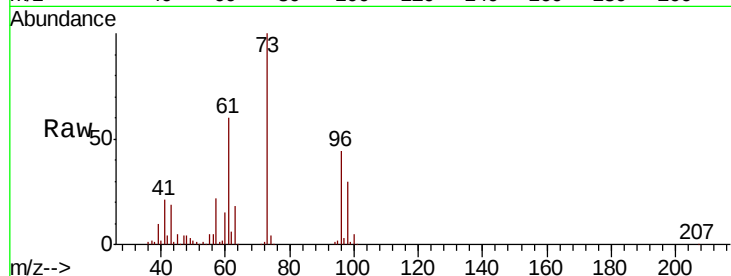




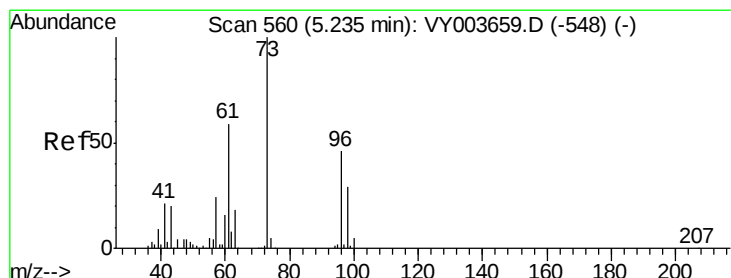
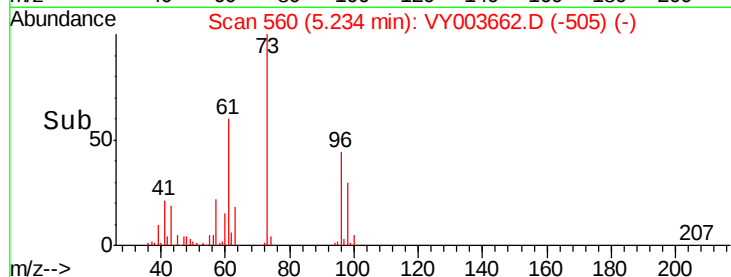
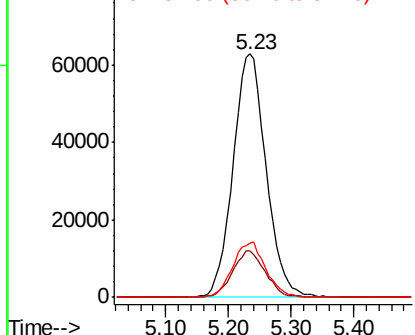
#17
Methvl tert-butvl Ether
Concen: 26.793 ug/L
RT: 5.23 min Scan# 560
Delta R.T. 0.01 min
Lab File: VY003662.D
Acq: 04 Dec 2020 13:36

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Tot Ion	Ratio	Lower	Upper
73	100		
43	18.9	14.9	22.3
57	22.8	18.1	27.1

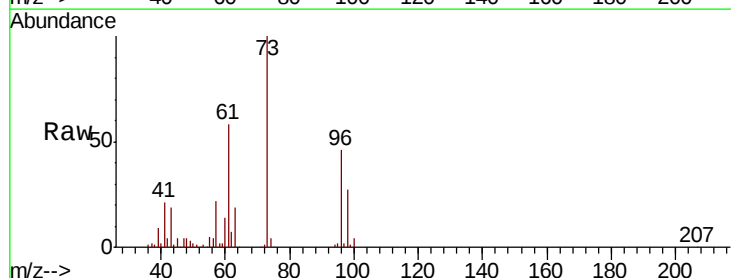


Abundance Ion 73.00 (72.70 to 73.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 57.00 (56.70 to 57.70): VY0

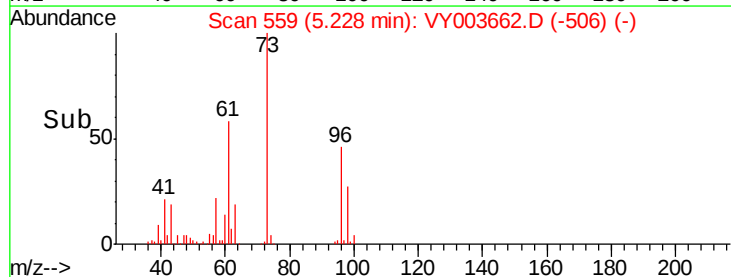
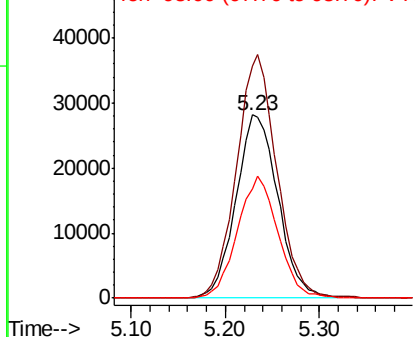


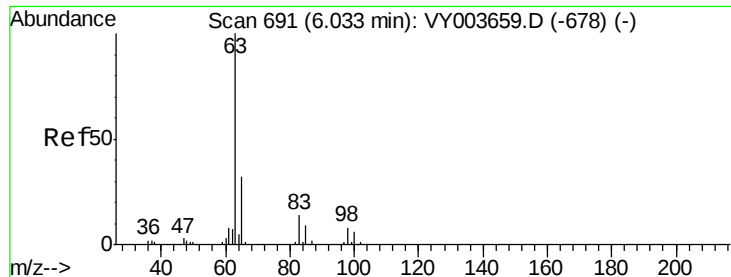
#18
trans-1,2-Dichloroethene
Concen: 25.767 ug/L
RT: 5.23 min Scan# 559
Delta R.T. -0.01 min
Lab File: VY003662.D
Acq: 04 Dec 2020 13:36

Tgt Ion	Ratio	Lower	Upper
96	100		
61	126.8	90.8	168.6
98	59.2	44.2	82.0



Abundance Ion 96.00 (95.70 to 96.70): VY0
Ion 61.00 (60.70 to 61.70): VY0
Ion 98.00 (97.70 to 98.70): VY0





#19

1,1-Dichloroethane

Concen: 25.934 ug/L

RT: 6.03 min Scan# 691

Delta R.T. -0.00 min

Lab File: VY003662.D

Acq: 04 Dec 2020 13:36

Instrument :

MSVOA_Y

ClientSampleId :

BFB

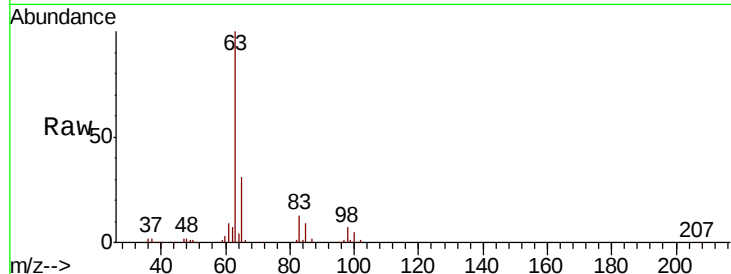
Tot Ion: 63 Resp: 148157

Ion Ratio Lower Upper

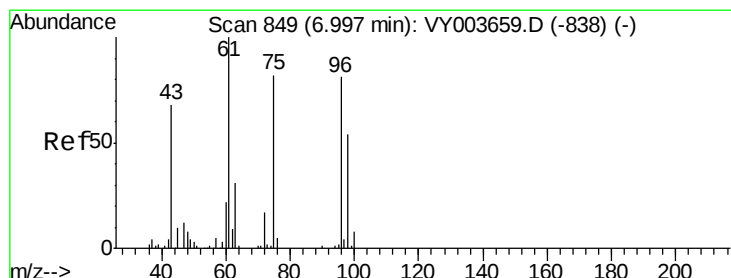
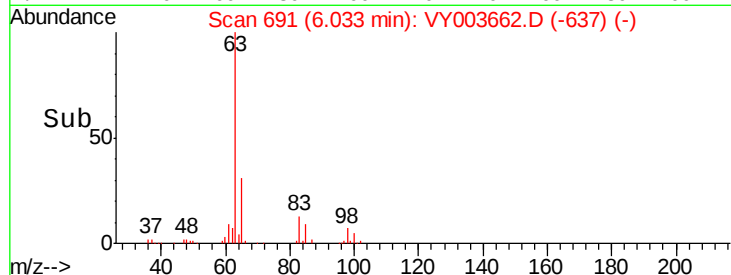
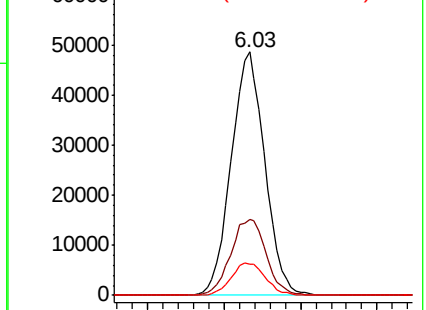
63 100

65 31.2 22.7 42.1

83 12.9 9.7 17.9



Abundance Ion 63.00 (62.70 to 63.70): VY0
Ion 65.00 (64.70 to 65.70): VY0
Ion 83.00 (82.70 to 83.70): VY0



#21

2-Butanone

Concen: 48.290 ug/L

RT: 7.00 min Scan# 850

Delta R.T. 0.01 min

Lab File: VY003662.D

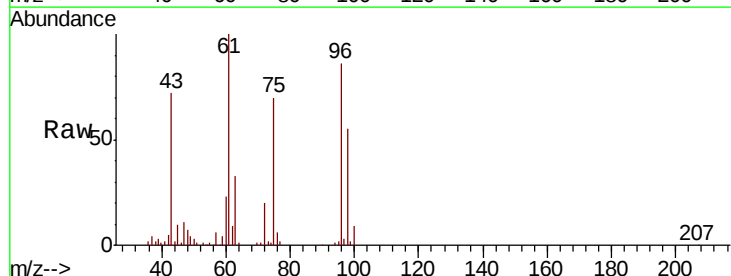
Acq: 04 Dec 2020 13:36

Tgt Ion: 43 Resp: 79583

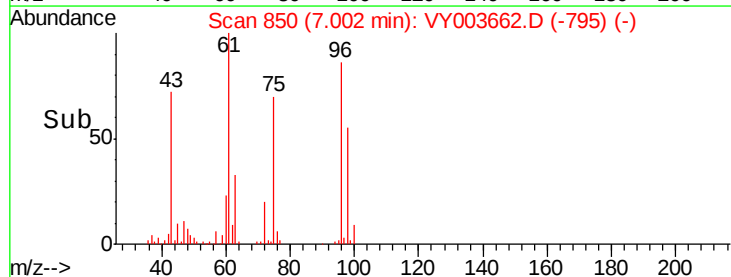
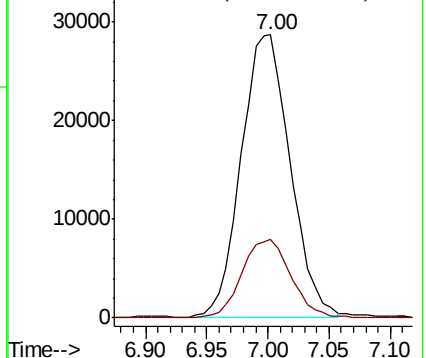
Ion Ratio Lower Upper

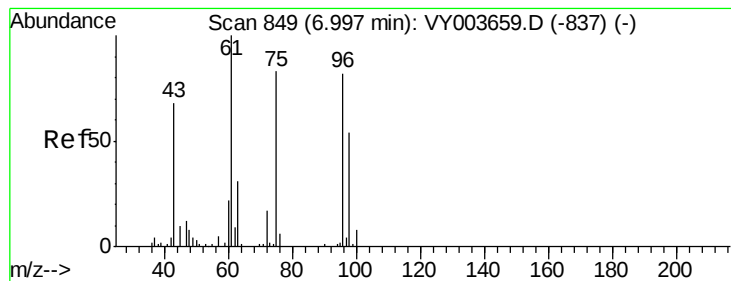
43 100

72 27.7 13.3 39.9



Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 72.00 (71.70 to 72.70): VY0



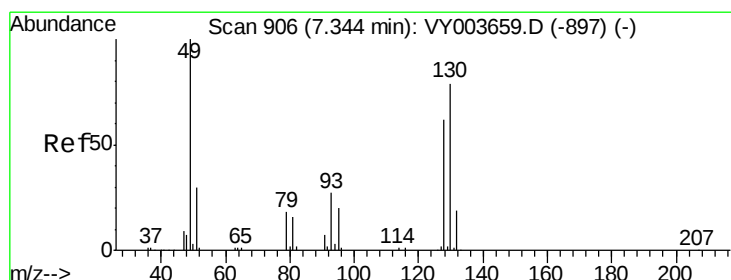
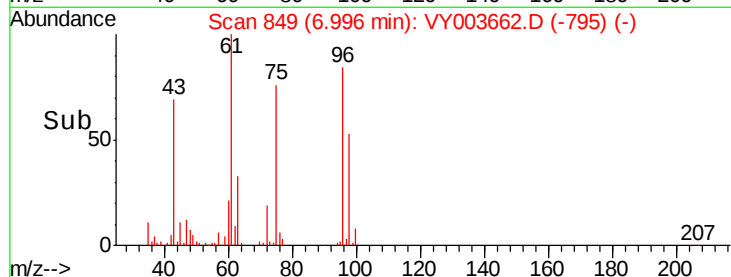
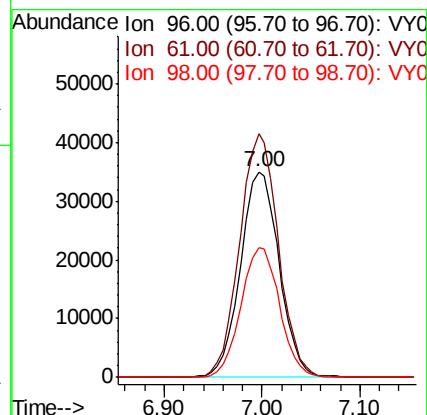
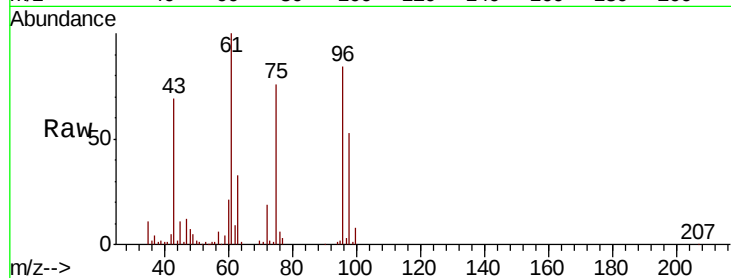


#22

cis-1,2-Dichloroethene
Concen: 26.530 ug/L
RT: 7.00 min Scan# 849
Delta R.T. -0.00 min
Lab File: VY003662.D
Acq: 04 Dec 2020 13:36

Instrument :
MSVOA_Y
ClientSampled :
BFB

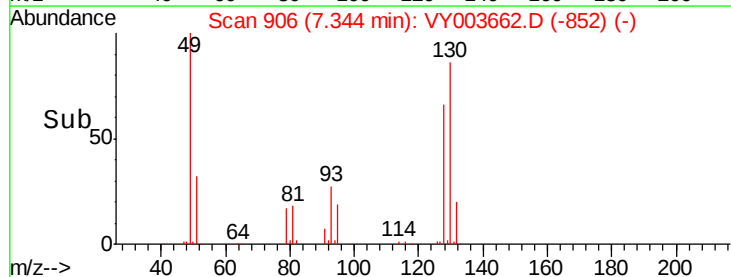
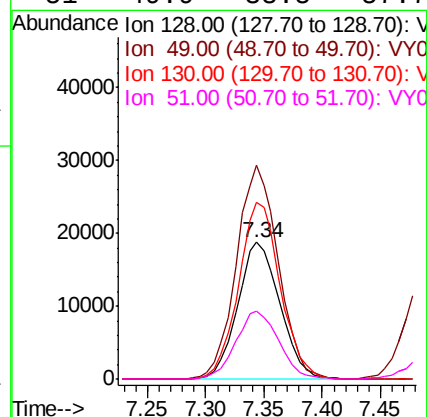
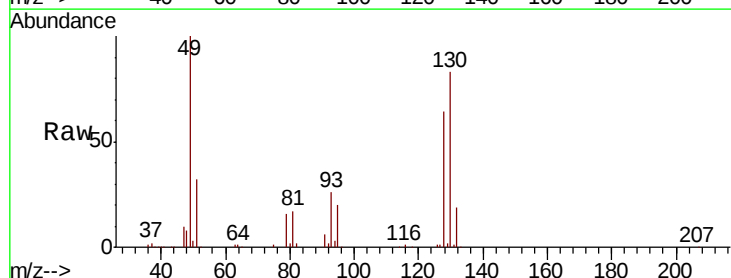
Tot Ion: 96 Resp: 96212
Ion Ratio Lower Upper
96 100
61 118.6 85.8 159.4
98 63.4 46.5 86.3

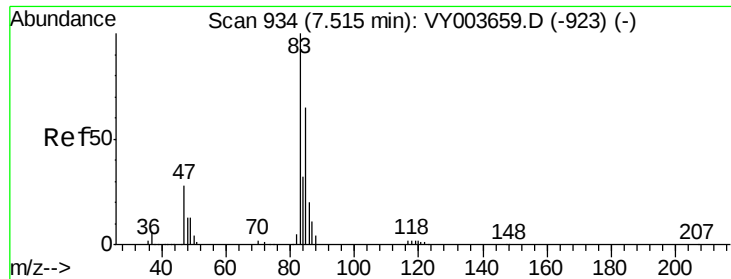


#23

Bromochloromethane
Concen: 26.025 ug/L
RT: 7.34 min Scan# 906
Delta R.T. -0.00 min
Lab File: VY003662.D
Acq: 04 Dec 2020 13:36

Tgt Ion: 128 Resp: 47115
Ion Ratio Lower Upper
128 100
49 156.5 113.8 211.3
130 129.6 89.7 166.5
51 49.9 38.5 57.7





#25

Chloroform

Concen: 26.102 ug/L

RT: 7.51 min Scan# 934

Delta R.T. -0.00 min

Lab File: VY003662.D

Acq: 04 Dec 2020 13:36

Instrument :

MSVOA_Y

ClientSampleId :

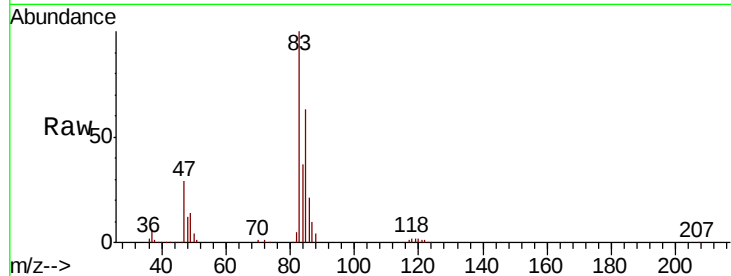
BFB

Tot Ion: 83 Resp: 150948

Ion Ratio Lower Upper

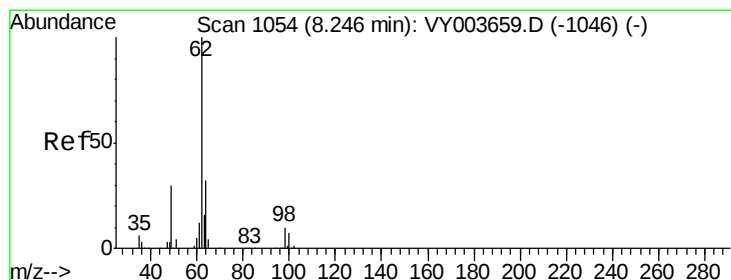
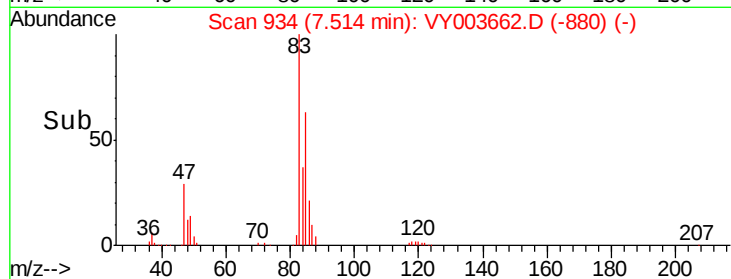
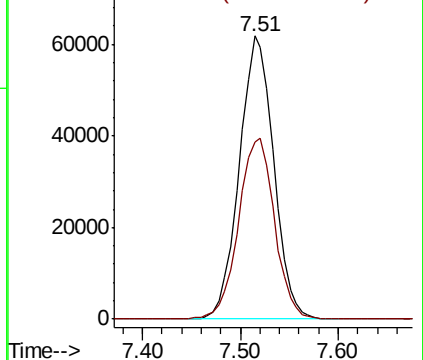
83 100

85 66.5 46.5 86.5



Abundance Ion 83.00 (82.70 to 83.70): VY0

Ion 85.00 (84.70 to 85.70): VY0



#27

1,2-Dichloroethane

Concen: 26.182 ug/L

RT: 8.25 min Scan# 1054

Delta R.T. -0.00 min

Lab File: VY003662.D

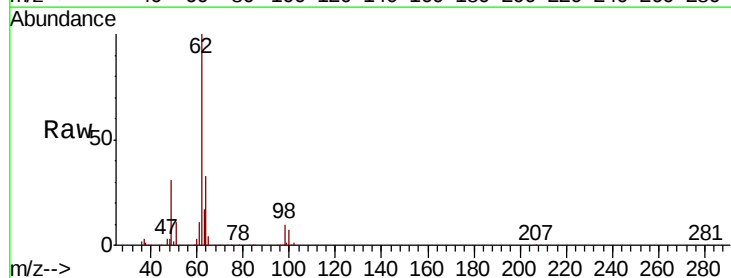
Acq: 04 Dec 2020 13:36

Tgt Ion: 62 Resp: 102419

Ion Ratio Lower Upper

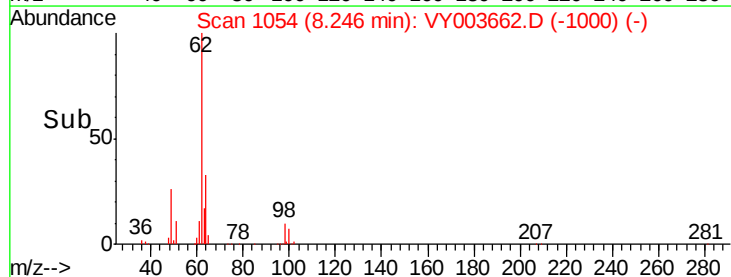
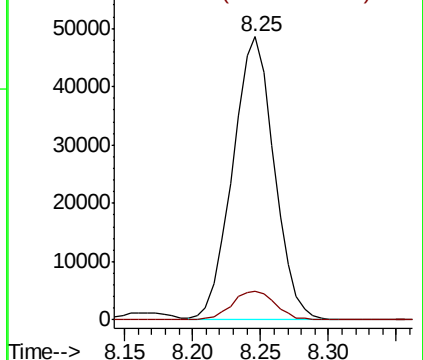
62 100

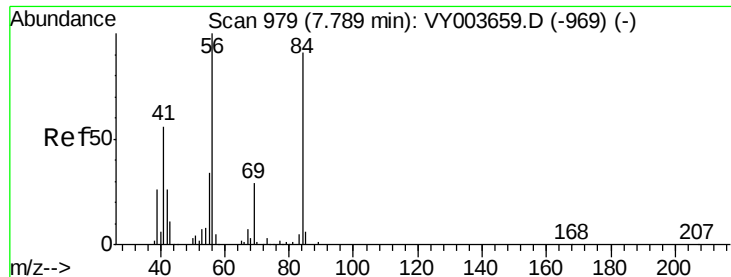
98 10.0 8.0 12.0



Abundance Ion 62.00 (61.70 to 62.70): VY0

Ion 98.00 (97.70 to 98.70): VY0

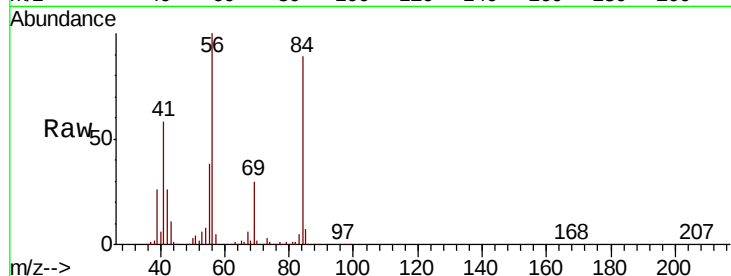




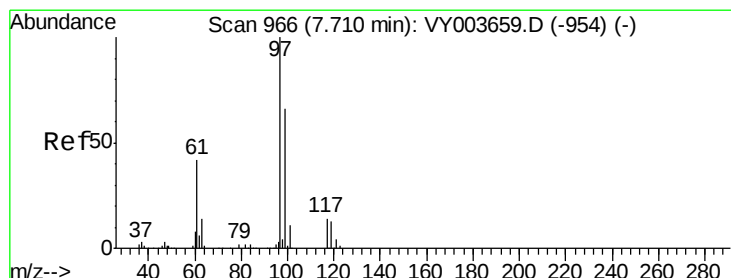
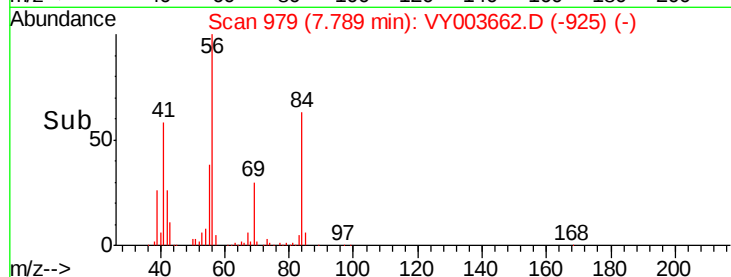
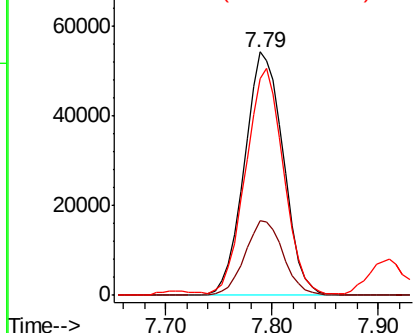
#30
Cyclohexane
Concen: 26.645 ug/L
RT: 7.79 min Scan# 979
Delta R.T. -0.00 min
Lab File: VY003662.D
Acq: 04 Dec 2020 13:36

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.1	23.8	35.8
84	91.5	73.2	109.8

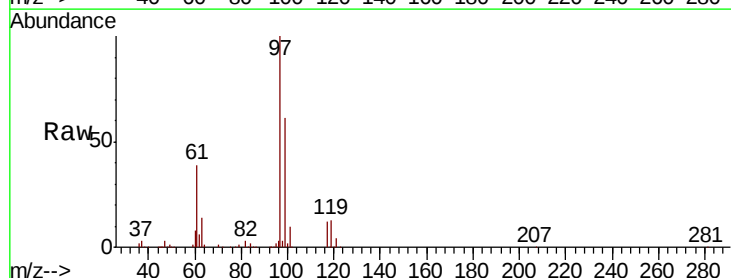


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

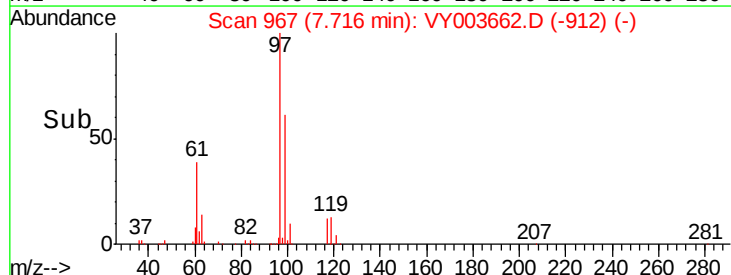
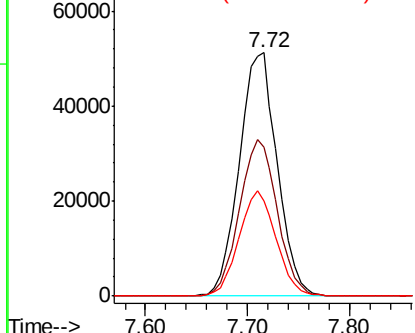


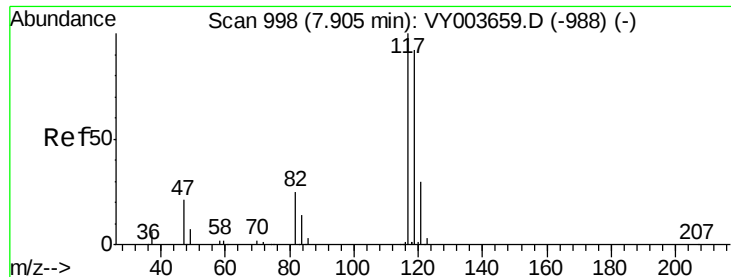
#31
1,1,1-Trichloroethane
Concen: 25.642 ug/L
RT: 7.72 min Scan# 967
Delta R.T. 0.01 min
Lab File: VY003662.D
Acq: 04 Dec 2020 13:36

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.4	77.0
61	42.3	34.0	51.0



Abundance Ion 97.00 (96.70 to 97.70): VY0
Ion 99.00 (98.70 to 99.70): VY0
Ion 61.00 (60.70 to 61.70): VY0





#32

Carbon tetrachloride

Concen: 25.891 ug/L

RT: 7.91 min Scan# 999

Delta R.T. 0.01 min

Lab File: VY003662.D

Acq: 04 Dec 2020 13:36

Instrument :

MSVOA_Y

ClientSampleId :

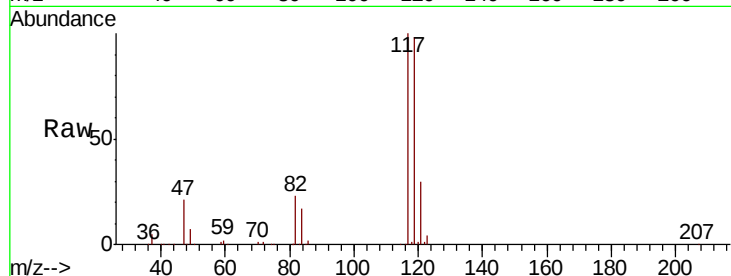
BFB

Tot Ion:117 Resp: 118615

Ion Ratio Lower Upper

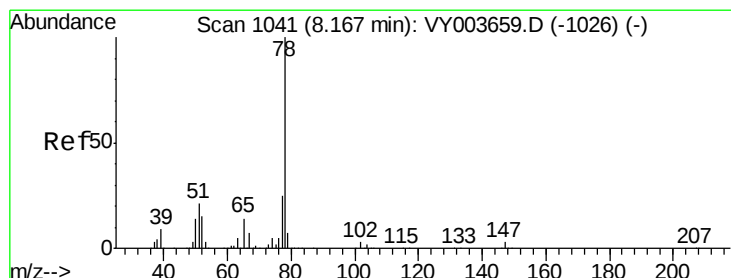
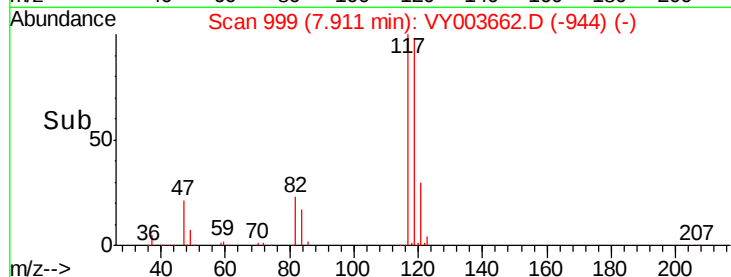
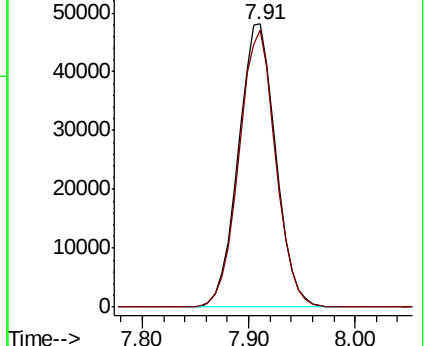
117 100

119 95.8 75.4 113.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 25.894 ug/L

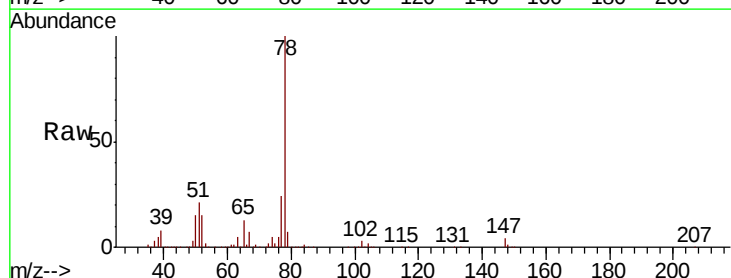
RT: 8.17 min Scan# 1041

Delta R.T. -0.00 min

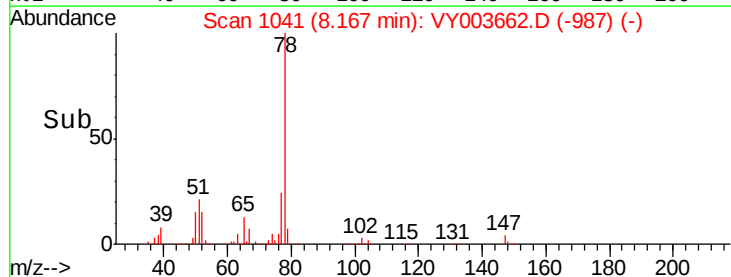
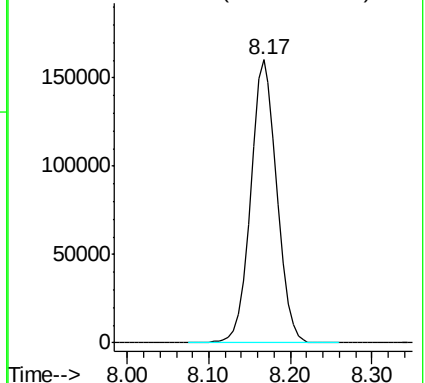
Lab File: VY003662.D

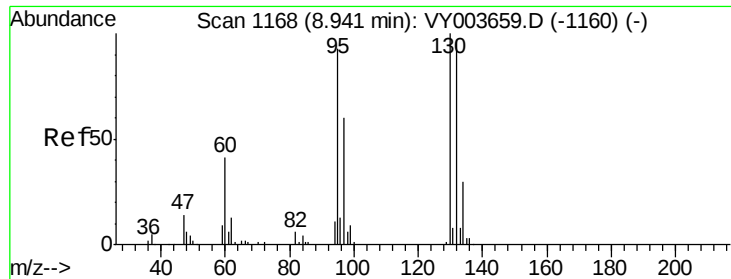
Acq: 04 Dec 2020 13:36

Tgt Ion: 78 Resp: 358643



Abundance Ion 78.00 (77.70 to 78.70): VY0





#35

Trichloroethene

Concen: 25.535 ug/L

RT: 8.94 min Scan# 1168

Delta R.T. -0.00 min

Lab File: VY003662.D

Acq: 04 Dec 2020 13:36

Instrument :

MSVOA_Y

ClientSampleId :

BFB

Tot Ion: 95 Resp: 97098

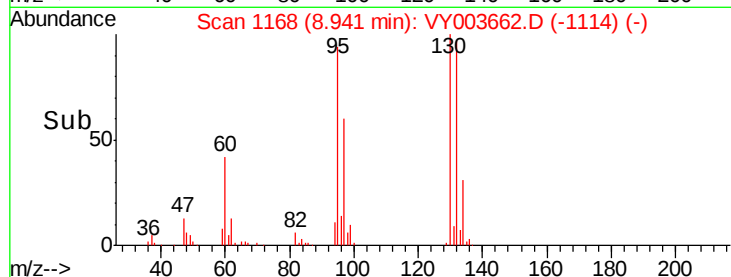
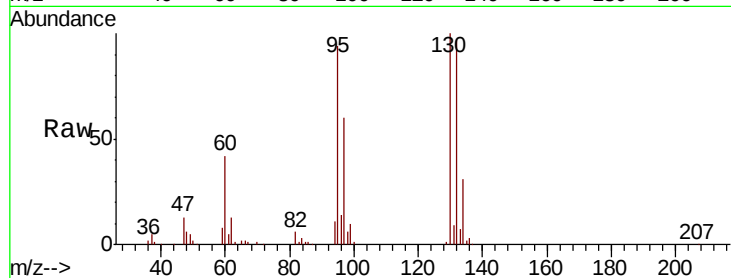
Ion Ratio Lower Upper

95 100

97 64.3 45.8 85.0

132 105.5 74.2 137.8

130 109.2 76.2 141.6

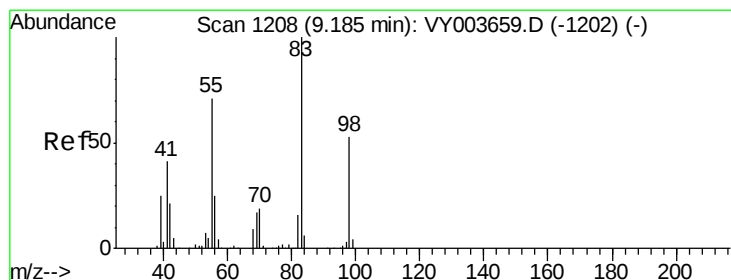
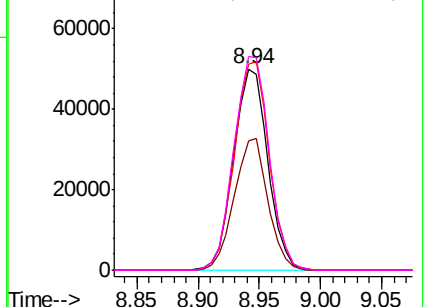


Abundance Ion 95.00 (94.70 to 95.70): VY0

Ion 97.00 (96.70 to 97.70): VY0

Ion 132.00 (131.70 to 132.70): VY0

Ion 130.00 (129.70 to 130.70): VY0



#36

Methylcyclohexane

Concen: 27.008 ug/L

RT: 9.18 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VY003662.D

Acq: 04 Dec 2020 13:36

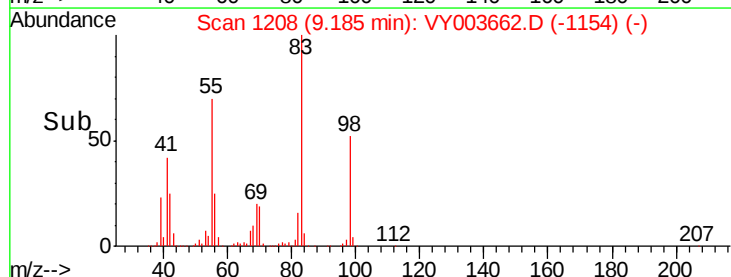
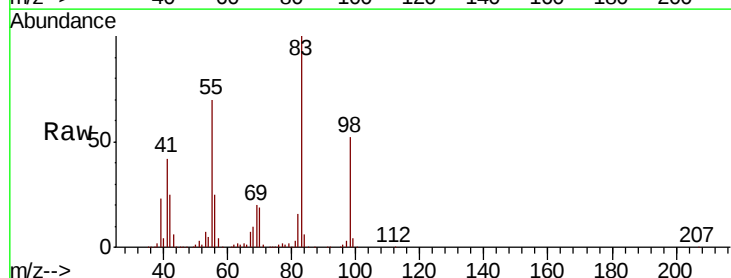
Tgt Ion: 83 Resp: 157382

Ion Ratio Lower Upper

83 100

55 70.8 56.4 84.6

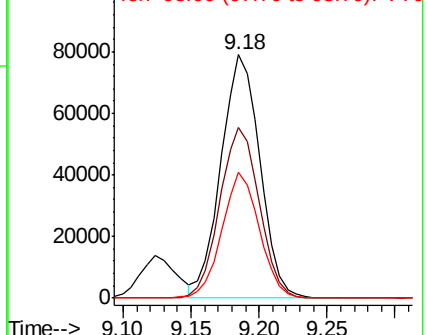
98 49.7 40.3 60.5

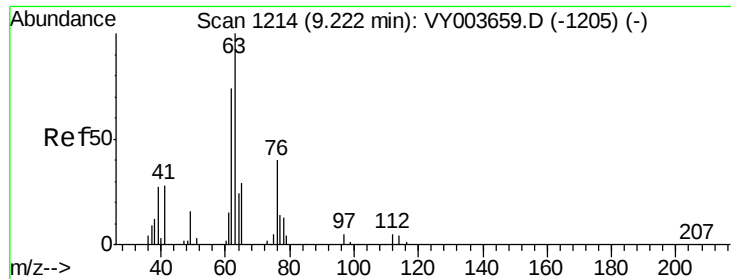


Abundance Ion 83.00 (82.70 to 83.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 98.00 (97.70 to 98.70): VY0

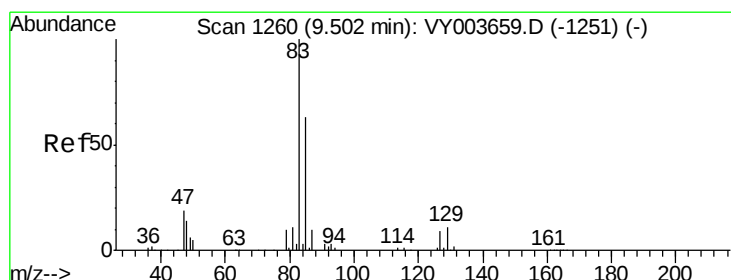
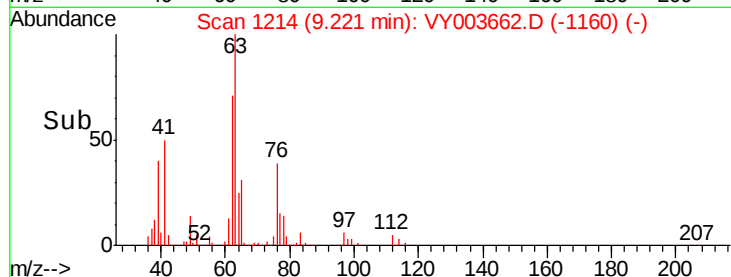
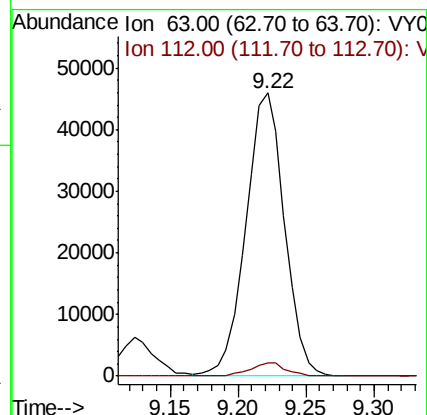
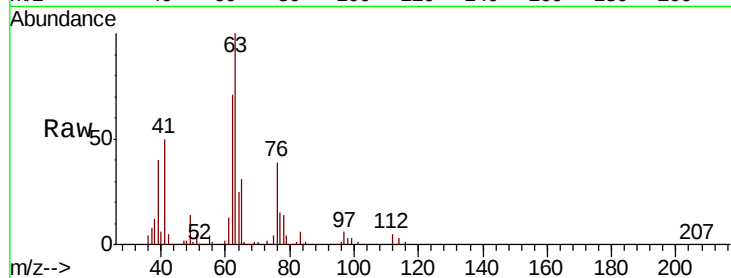




#40
1,2-Dichloropropane
Concen: 26.233 ug/L
RT: 9.22 min Scan# 1214
Delta R.T. -0.00 min
Lab File: VY003662.D
Acq: 04 Dec 2020 13:36

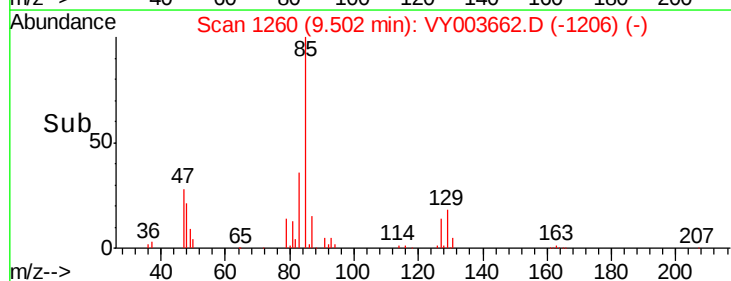
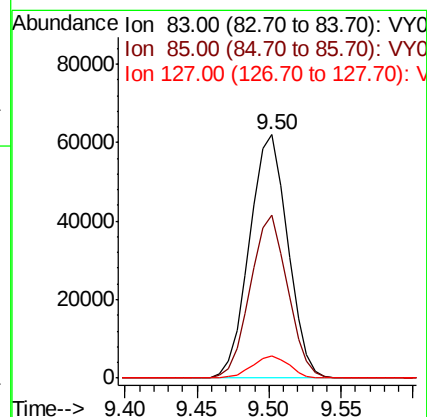
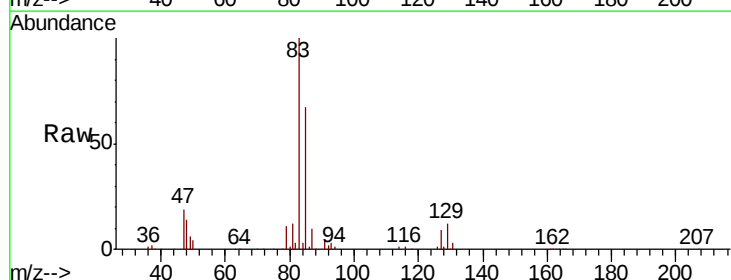
Instrument :
MSVOA_Y
ClientSampled :
BFB

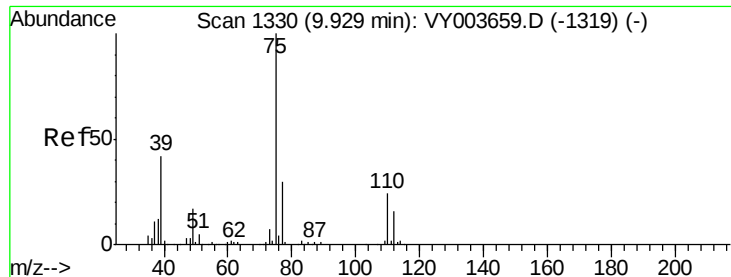
Tot Ion: 63 Resp: 91124
Ion Ratio Lower Upper
63 100
112 4.5 3.7 5.5



#41
Bromodichloromethane
Concen: 25.839 ug/L
RT: 9.50 min Scan# 1260
Delta R.T. -0.00 min
Lab File: VY003662.D
Acq: 04 Dec 2020 13:36

Tgt Ion: 83 Resp: 114039
Ion Ratio Lower Upper
83 100
85 66.7 44.0 81.6
127 9.2 7.2 10.8



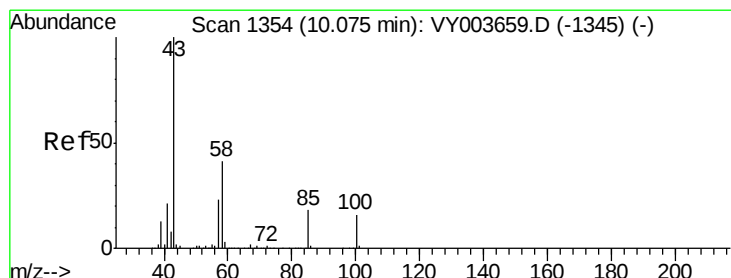
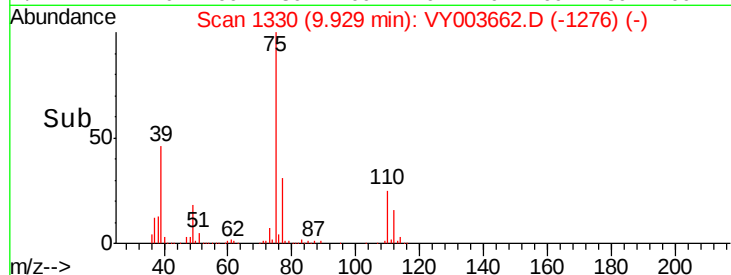
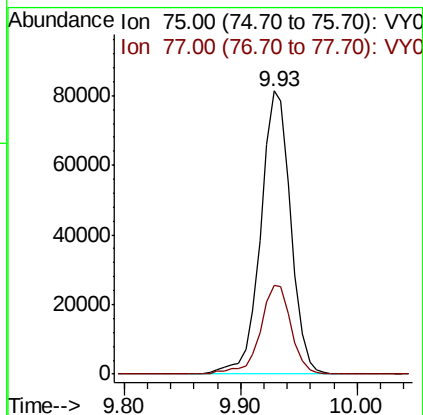
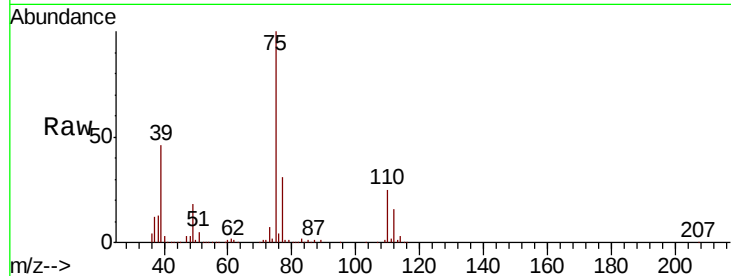


#42

cis-1,3-Dichloropropene
 Concen: 26.740 ug/L
 RT: 9.93 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: VY003662.D
 Acq: 04 Dec 2020 13:36

Instrument :
 MSVOA_Y
 ClientSampleId :
 BFB

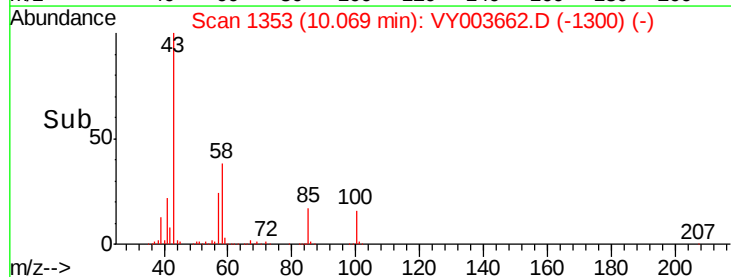
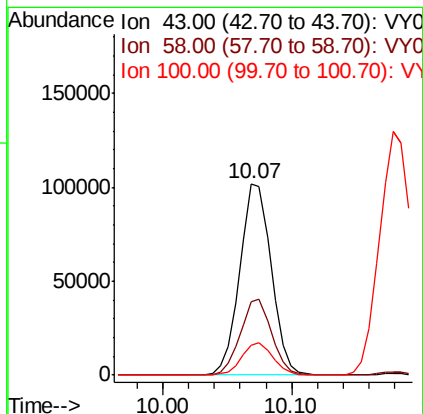
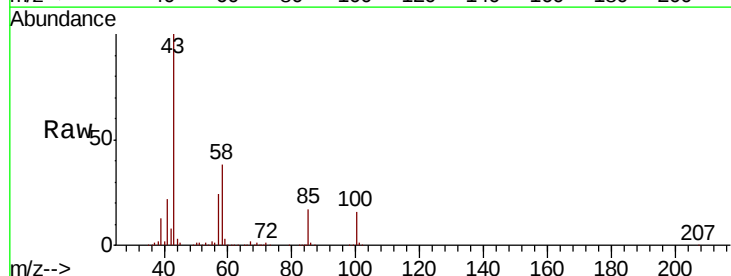
Tot Ion: 75 Resp: 146202
 Ion Ratio Lower Upper
 75 100
 77 31.4 21.3 39.6

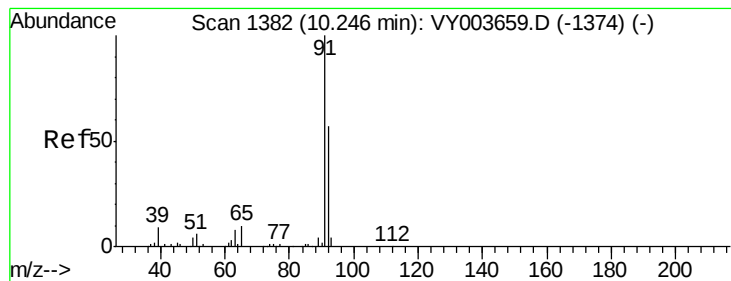


#43

4-Methyl-2-pentanone
 Concen: 52.856 ug/L
 RT: 10.07 min Scan# 1353
 Delta R.T. -0.01 min
 Lab File: VY003662.D
 Acq: 04 Dec 2020 13:36

Tgt Ion: 43 Resp: 172461
 Ion Ratio Lower Upper
 43 100
 58 39.2 31.5 47.3
 100 16.5 12.7 19.1





#44

Toluene

Concen: 26.279 ug/L

RT: 10.25 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VY003662.D

Acq: 04 Dec 2020 13:36

Instrument :

MSVOA_Y

ClientSampled :

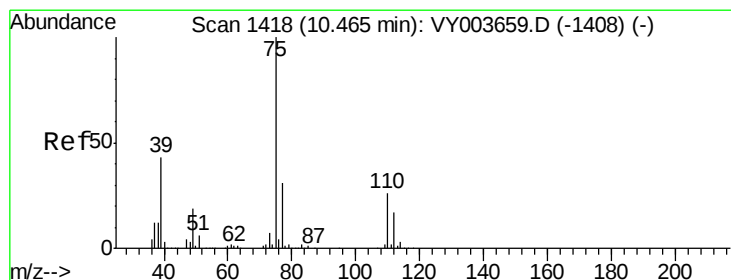
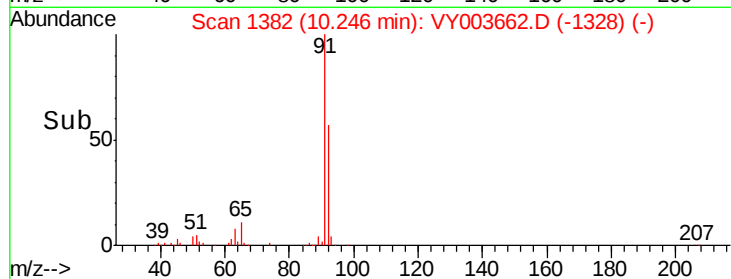
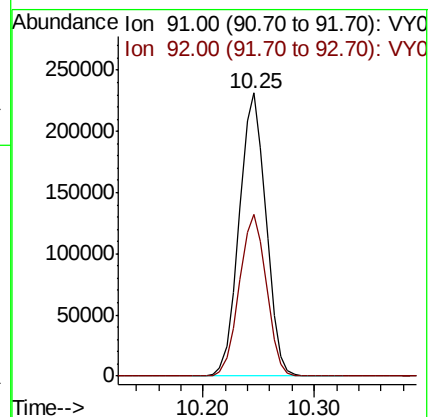
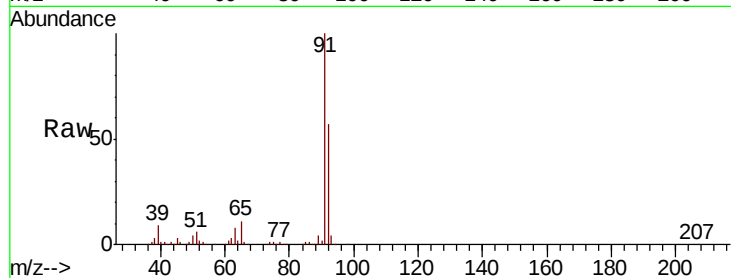
BFB

Tot Ion: 91 Resp: 383941

Ion Ratio Lower Upper

91 100

92 57.0 39.8 73.8



#45

trans-1,3-Dichloropropene

Concen: 26.629 ug/L

RT: 10.47 min Scan# 1418

Delta R.T. -0.00 min

Lab File: VY003662.D

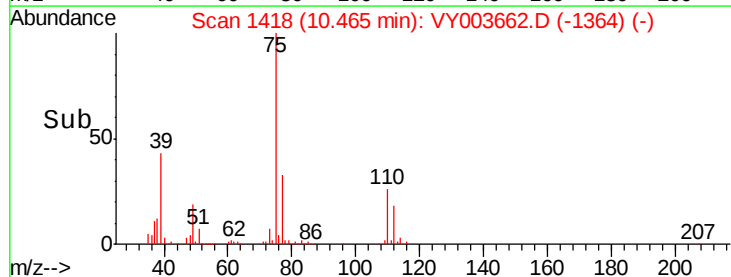
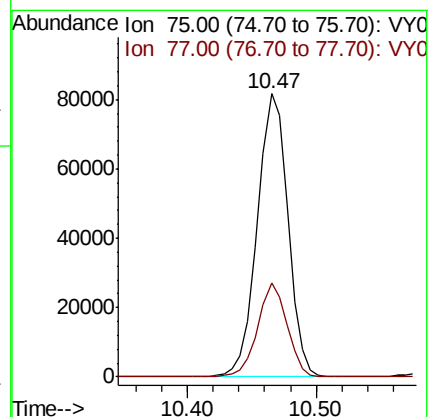
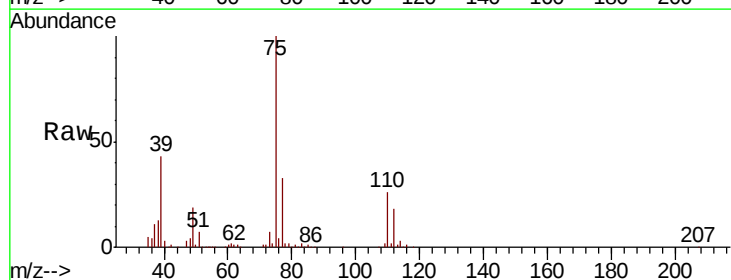
Acq: 04 Dec 2020 13:36

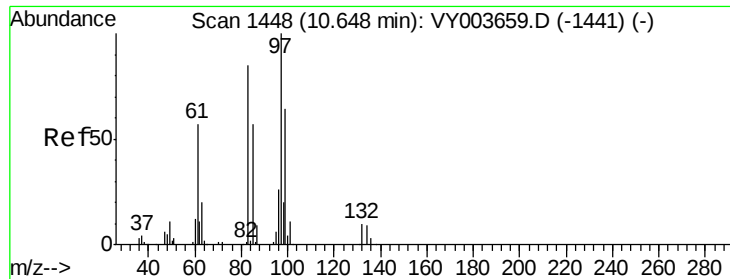
Tgt Ion: 75 Resp: 134203

Ion Ratio Lower Upper

75 100

77 33.0 22.0 40.8





#46

1,1,2-Trichloroethane

Concen: 26.343 ug/L

RT: 10.65 min Scan# 1448

Delta R.T. -0.00 min

Lab File: VY003662.D

Acq: 04 Dec 2020 13:36

Instrument :

MSVOA_Y

ClientSampleId :

BFB

Tot Ion: 97 Resp: 78892

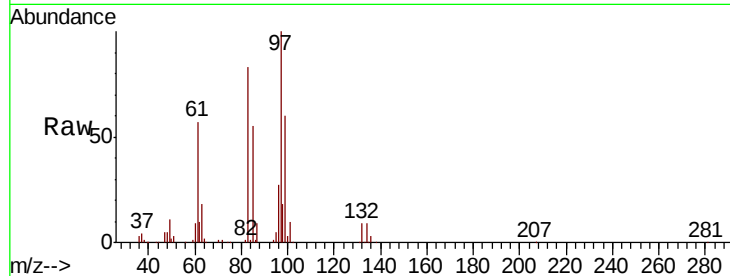
Ion Ratio Lower Upper

97 100

83 83.4 59.6 110.8

85 54.8 40.2 74.6

99 60.2 44.7 82.9

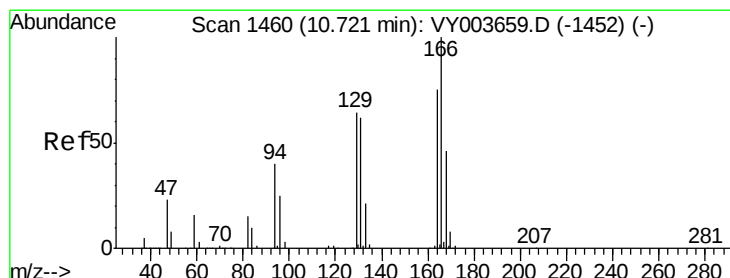
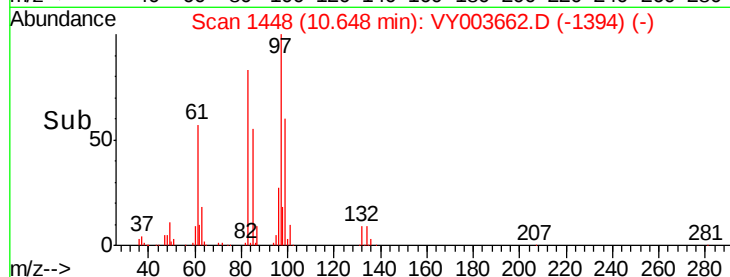
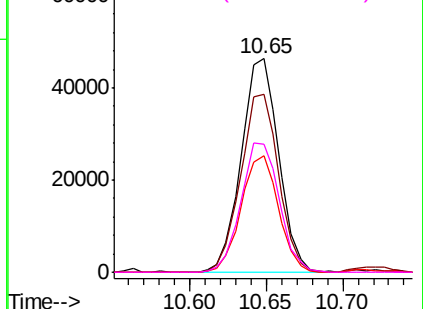


Abundance Ion 97.00 (96.70 to 97.70): VY0

Ion 83.00 (82.70 to 83.70): VY0

Ion 85.00 (84.70 to 85.70): VY0

Ion 99.00 (98.70 to 99.70): VY0



#47

Tetrachloroethene

Concen: 25.945 ug/L

RT: 10.72 min Scan# 1460

Delta R.T. -0.00 min

Lab File: VY003662.D

Acq: 04 Dec 2020 13:36

Tgt Ion:164 Resp: 76832

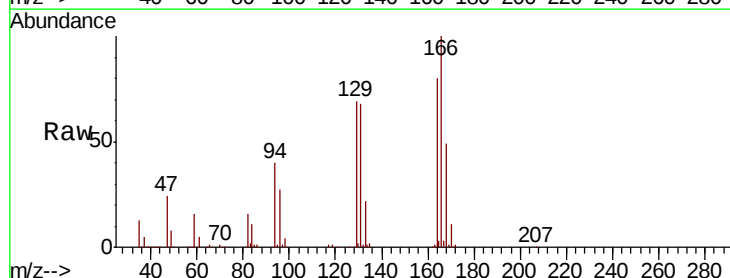
Ion Ratio Lower Upper

164 100

129 86.0 59.6 110.6

131 84.9 57.9 107.5

166 125.0 93.2 173.2

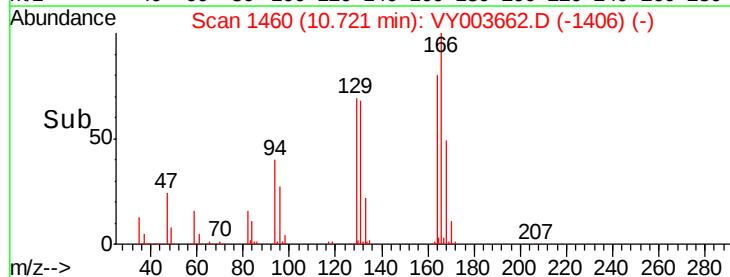
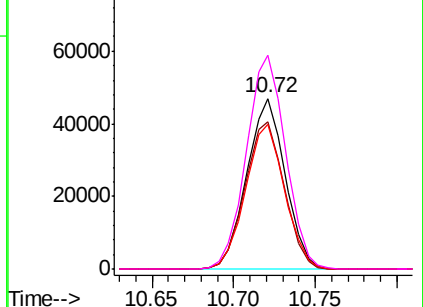


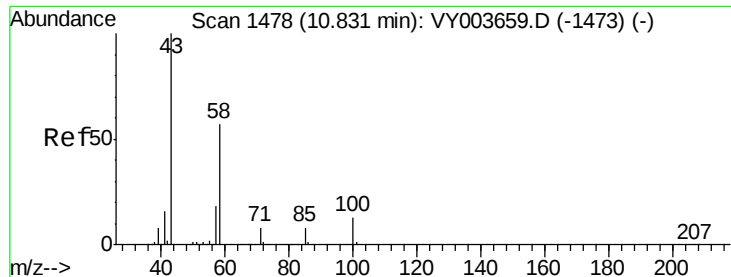
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

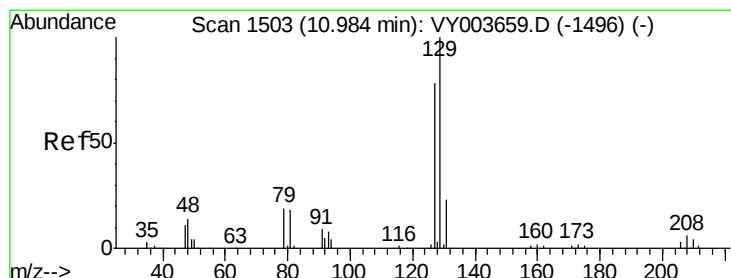
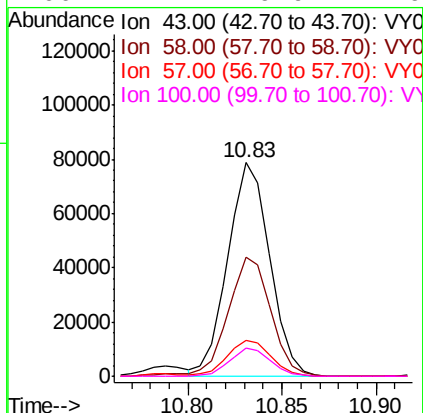
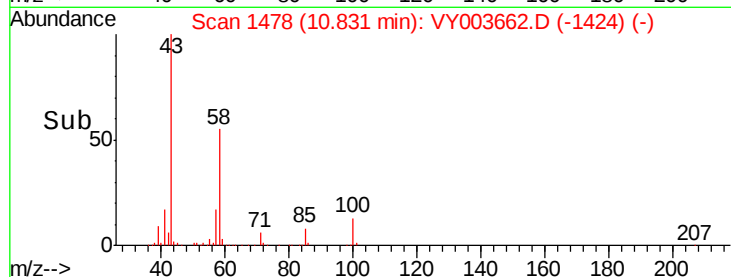
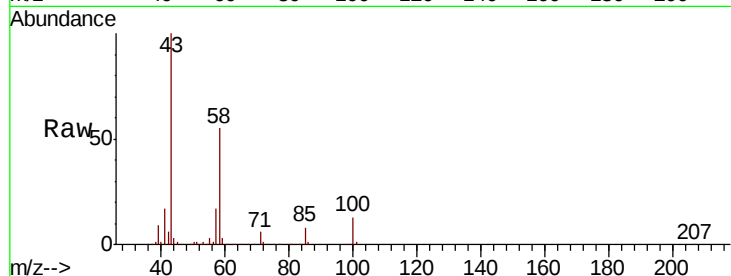




#49
2-Hexanone
Concen: 53.311 ug/L
RT: 10.83 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VY003662.D
Acq: 04 Dec 2020 13:36

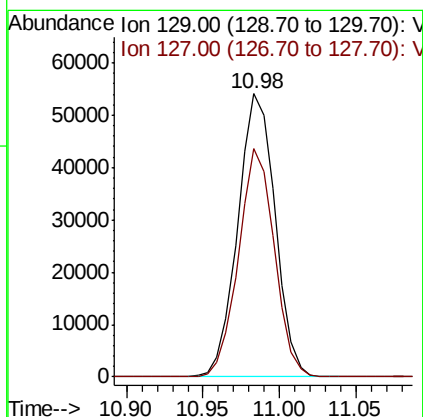
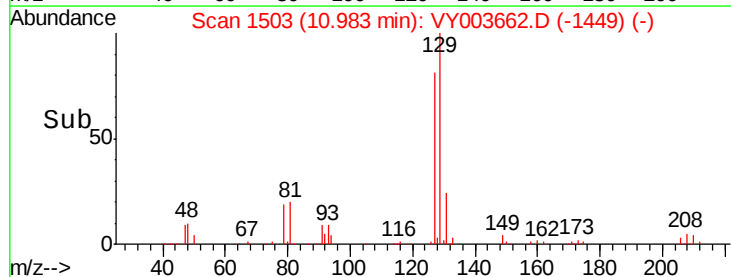
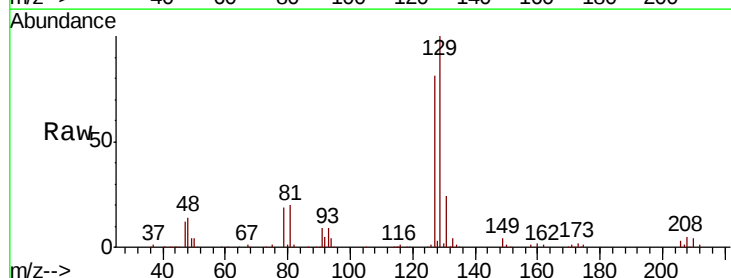
Instrument :
MSVOA_Y
ClientSampleId :
BFB

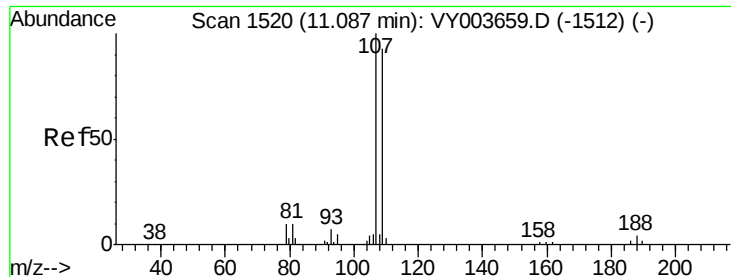
Tot Ion: 43 Resp: 122245
Ion Ratio Lower Upper
43 100
58 55.9 44.8 67.2
57 17.6 14.8 22.2
100 12.7 9.9 14.9



#50
Dibromochloromethane
Concen: 26.153 ug/L
RT: 10.98 min Scan# 1503
Delta R.T. -0.00 min
Lab File: VY003662.D
Acq: 04 Dec 2020 13:36

Tgt Ion: 129 Resp: 91661
Ion Ratio Lower Upper
129 100
127 80.8 54.8 101.8

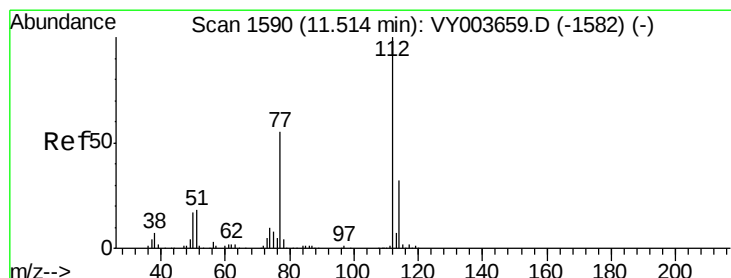
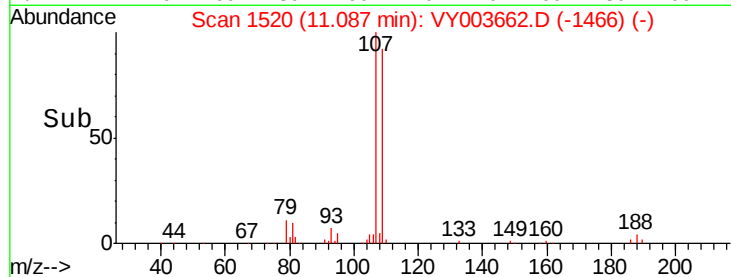
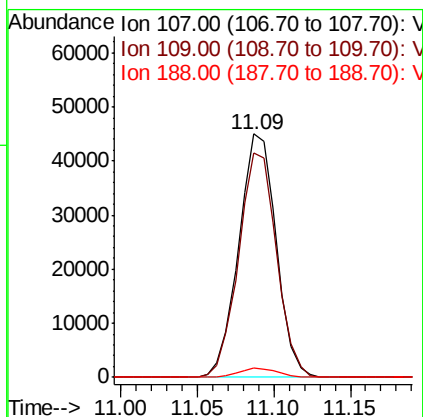
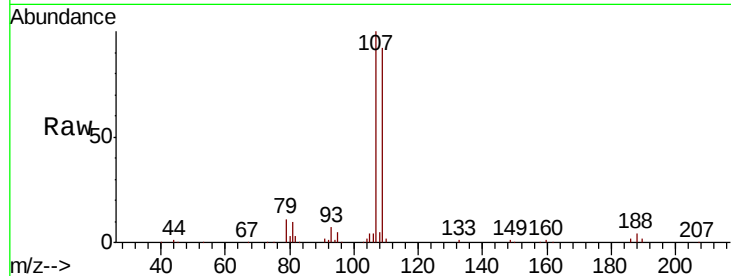




#51
 1,2-Dibromoethane
 Concen: 26.367 ug/L
 RT: 11.09 min Scan# 1520
 Delta R.T. -0.00 min
 Lab File: VY003662.D
 Acq: 04 Dec 2020 13:36

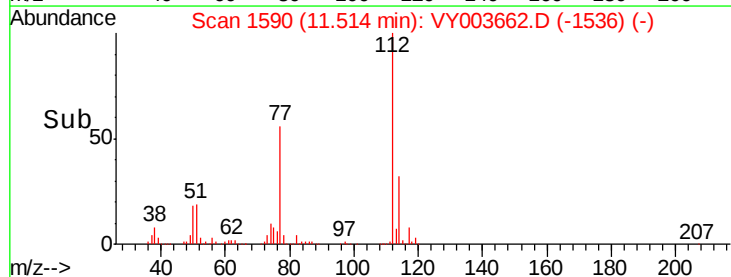
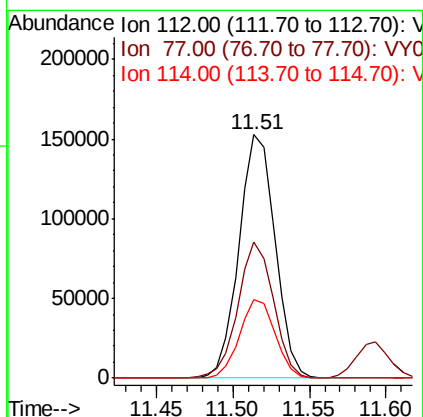
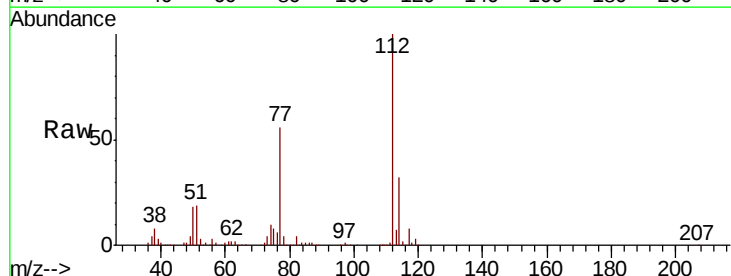
Instrument :
 MSVOA_Y
 ClientSampleId :
 BFB

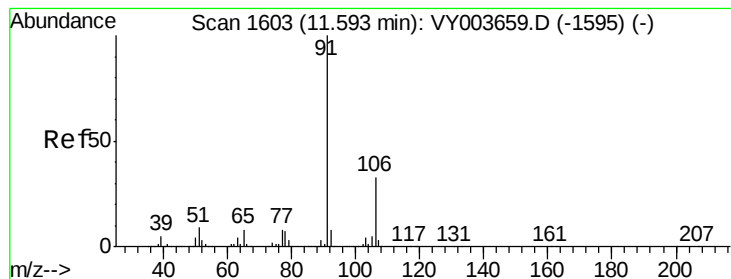
Tot Ion:107 Resp: 76410
 Ion Ratio Lower Upper
 107 100
 109 92.3 65.2 121.0
 188 3.6 3.0 4.6



#52
 Chlorobenzene
 Concen: 26.049 ug/L
 RT: 11.51 min Scan# 1590
 Delta R.T. -0.00 min
 Lab File: VY003662.D
 Acq: 04 Dec 2020 13:36

Tgt Ion:112 Resp: 250460
 Ion Ratio Lower Upper
 112 100
 77 56.1 44.4 66.6
 114 32.1 22.4 41.6





#53

Ethylbenzene

Concen: 26.162 ug/L

RT: 11.59 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VY003662.D

Acq: 04 Dec 2020 13:36

Instrument :

MSVOA_Y

ClientSampled :

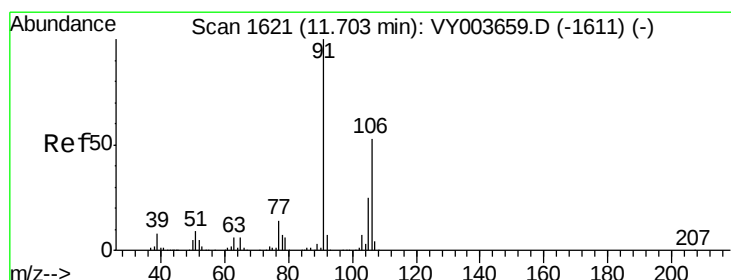
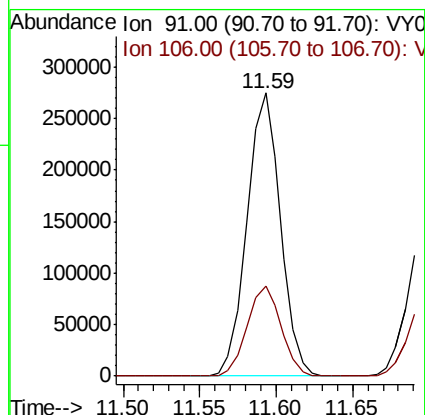
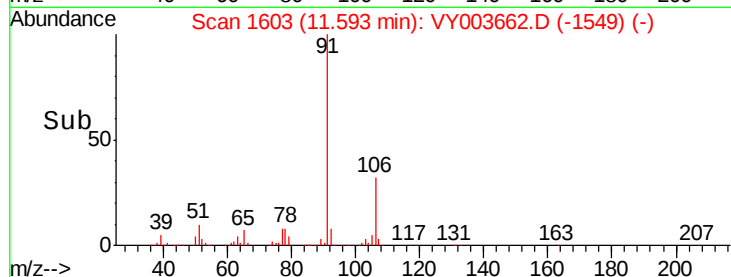
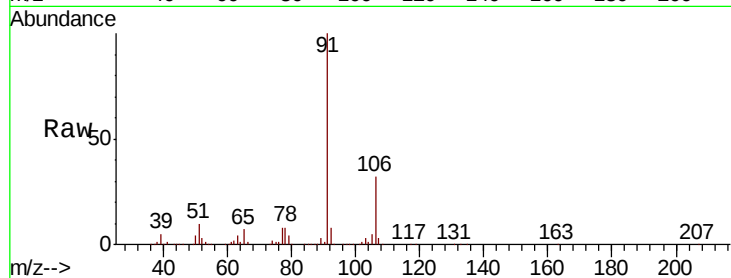
BFB

Tot Ion: 91 Resp: 417139

Ion Ratio Lower Upper

91 100

106 32.0 23.3 43.3



#54

m,p-Xylene

Concen: 26.719 ug/L

RT: 11.70 min Scan# 1621

Delta R.T. -0.00 min

Lab File: VY003662.D

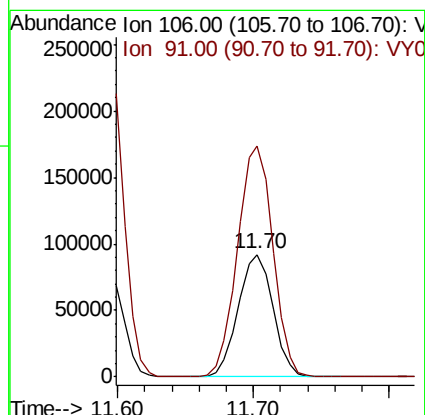
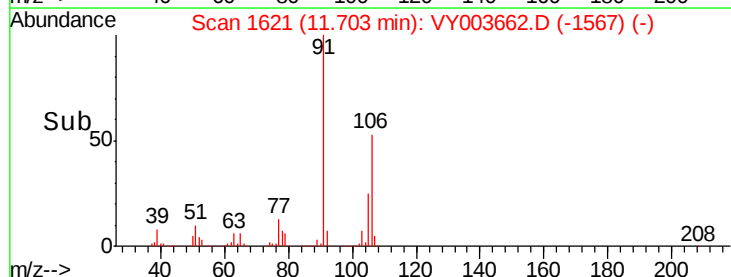
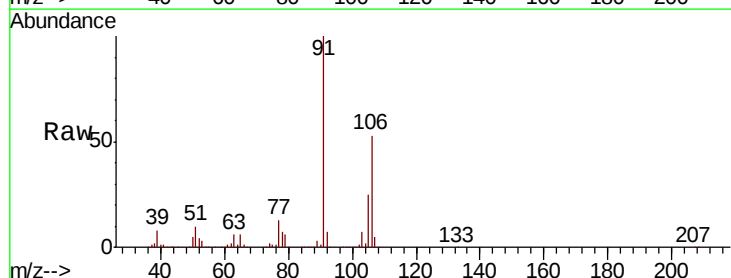
Acq: 04 Dec 2020 13:36

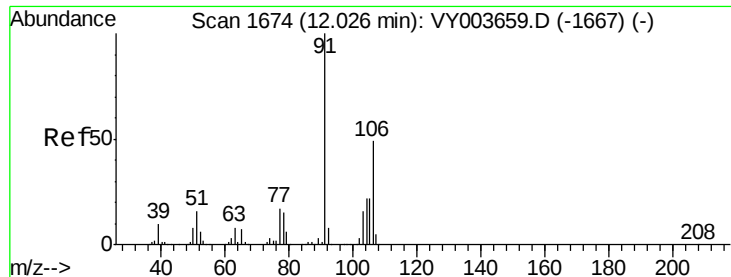
Tgt Ion: 106 Resp: 164348

Ion Ratio Lower Upper

106 100

91 189.4 131.3 243.9





#55

o-xylene

Concen: 26.518 ug/L

RT: 12.03 min Scan# 1675

Delta R.T. 0.01 min

Lab File: VY003662.D

Acq: 04 Dec 2020 13:36

Instrument :

MSVOA_Y

ClientSampled :

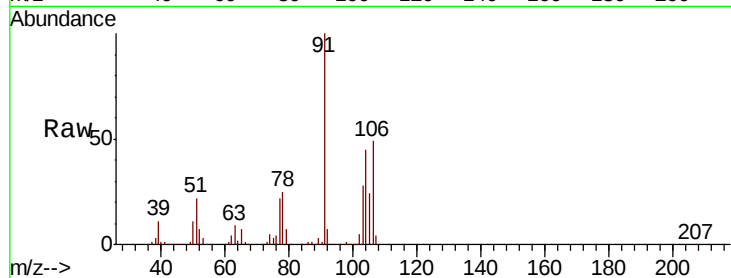
BFB

Tot Ion:106 Resp: 156491

Ion Ratio Lower Upper

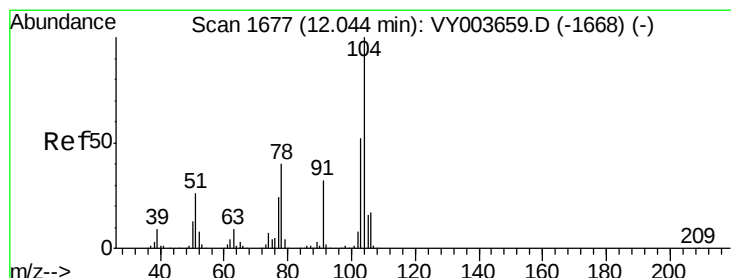
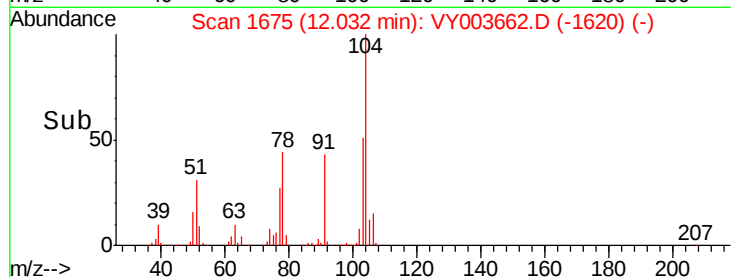
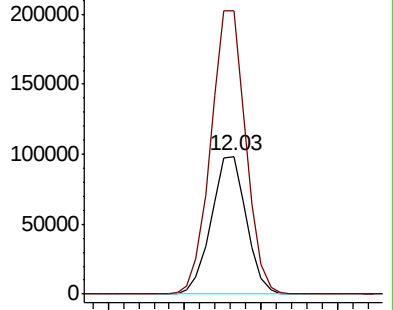
106 100

91 205.9 141.7 263.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0



#56

Styrene

Concen: 26.980 ug/L

RT: 12.04 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VY003662.D

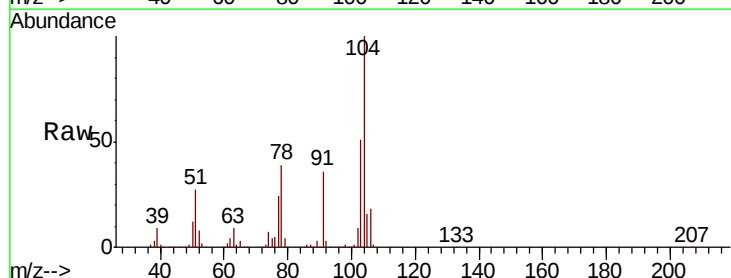
Acq: 04 Dec 2020 13:36

Tgt Ion:104 Resp: 272496

Ion Ratio Lower Upper

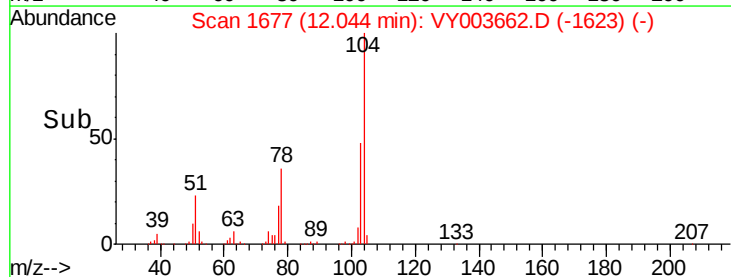
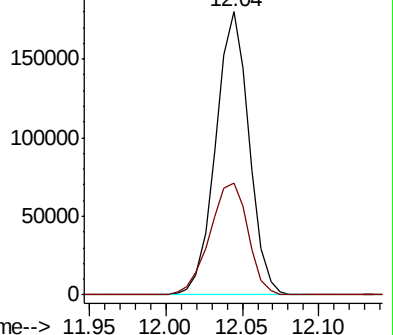
104 100

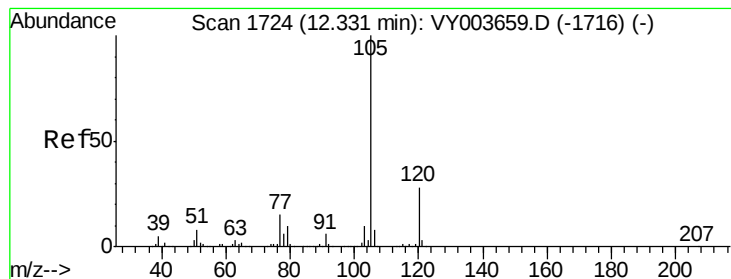
78 39.3 28.1 52.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VY0





#57

Isopropylbenzene

Concen: 26.995 ug/L

RT: 12.33 min Scan# 1724

Delta R.T. -0.00 min

Lab File: VY003662.D

Acq: 04 Dec 2020 13:36

Instrument :

MSVOA_Y

ClientSampleId :

BFB

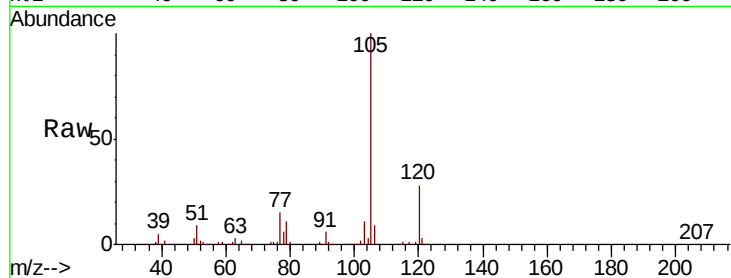
Tot Ion:105 Resp: 416483

Ion Ratio Lower Upper

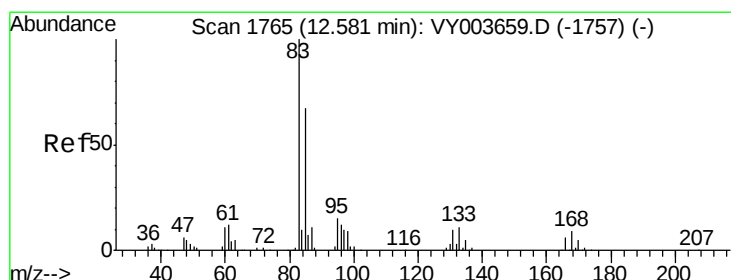
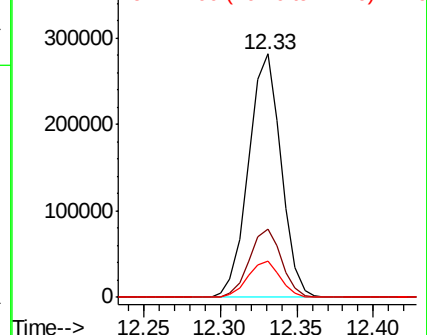
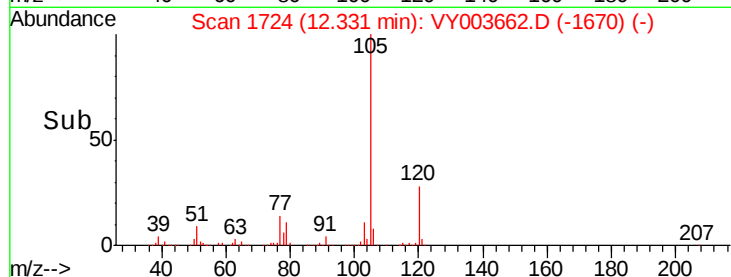
105 100

120 27.8 22.3 33.5

77 14.8 11.9 17.9



Abundance Ion 105.00 (104.70 to 105.70): VY003662.D (-1670) (-)



#58

1,1,2,2-Tetrachloroethane

Concen: 25.781 ug/L

RT: 12.58 min Scan# 1765

Delta R.T. -0.00 min

Lab File: VY003662.D

Acq: 04 Dec 2020 13:36

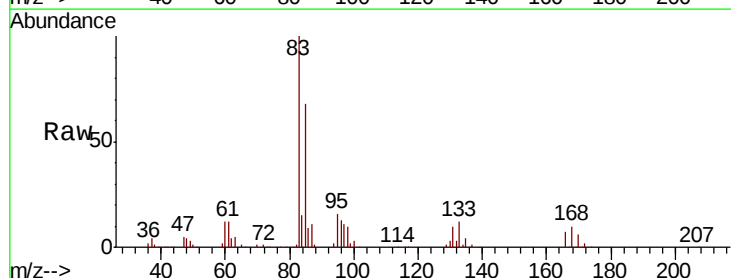
Tgt Ion: 83 Resp: 82778

Ion Ratio Lower Upper

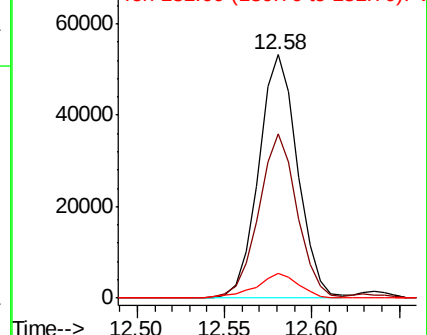
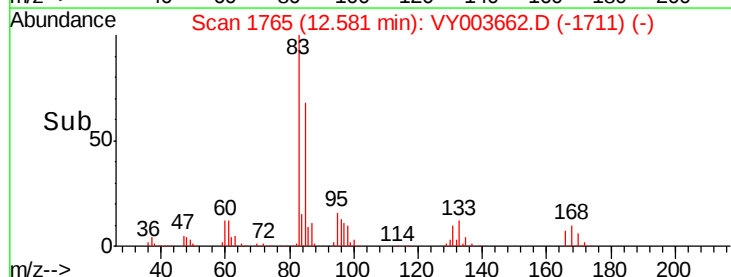
83 100

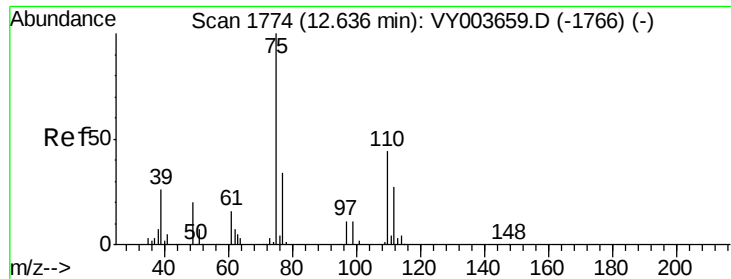
85 67.6 47.2 87.6

131 10.1 8.4 12.6



Abundance Ion 83.00 (82.70 to 83.70): VY003662.D (-1711) (-)





#59

1,2,3-Trichloropropane

Concen: 26.384 ug/L

RT: 12.64 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VY003662.D

Acq: 04 Dec 2020 13:36

Instrument :

MSVOA_Y

ClientSampleId :

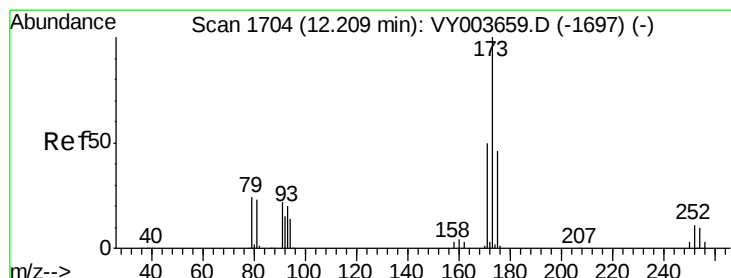
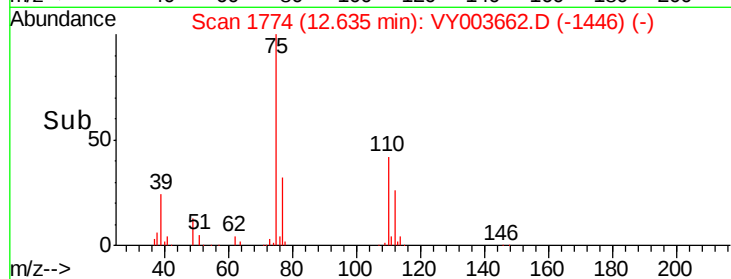
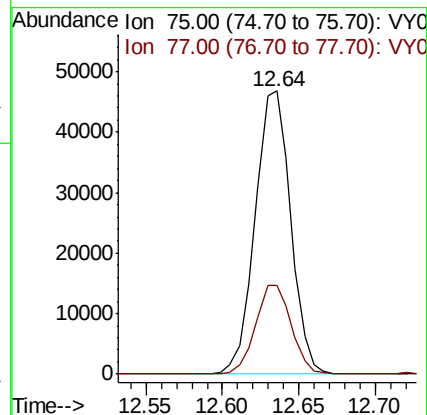
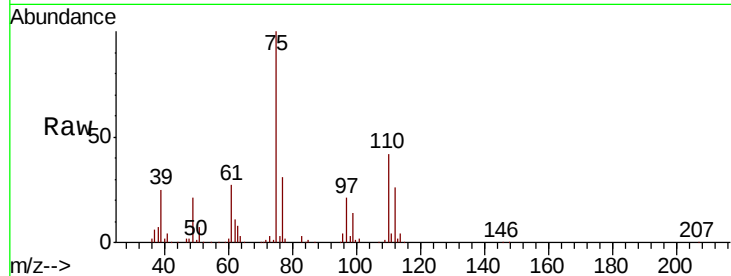
BFB

Tot Ion: 75 Resp: 75739

Ion Ratio Lower Upper

75 100

77 31.4 25.9 38.9



#62

Bromoform

Concen: 25.690 ug/L

RT: 12.21 min Scan# 1704

Delta R.T. -0.00 min

Lab File: VY003662.D

Acq: 04 Dec 2020 13:36

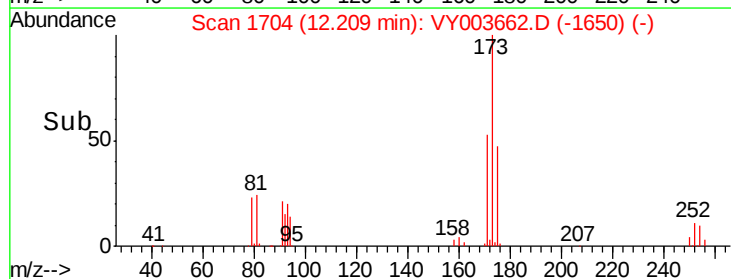
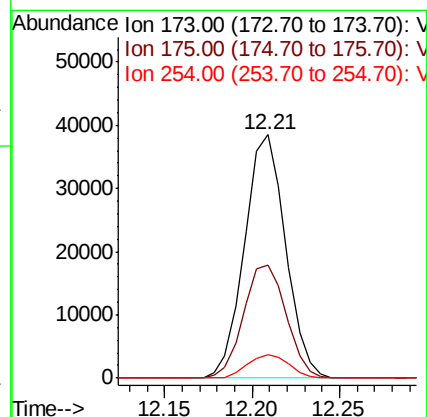
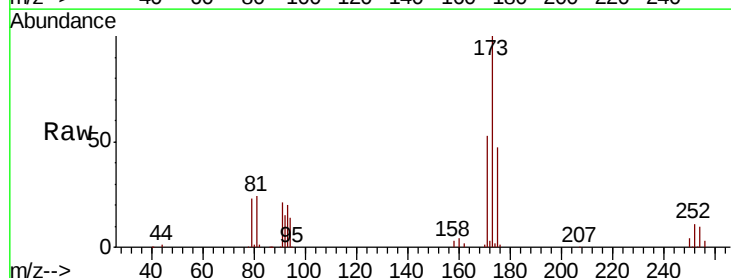
Tgt Ion: 173 Resp: 62868

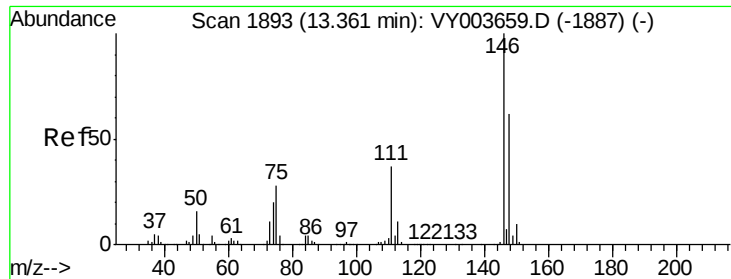
Ion Ratio Lower Upper

173 100

175 48.5 39.1 58.7

254 9.7 7.7 11.5

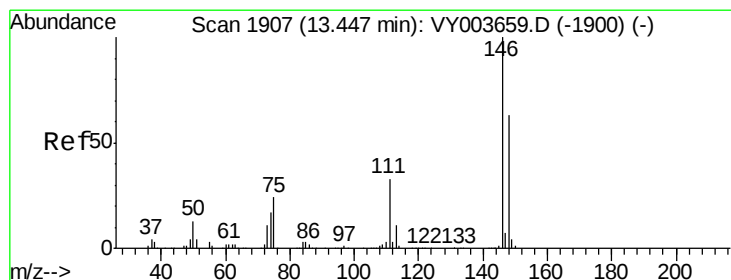
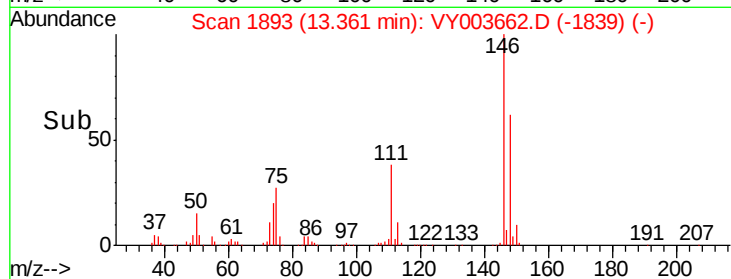
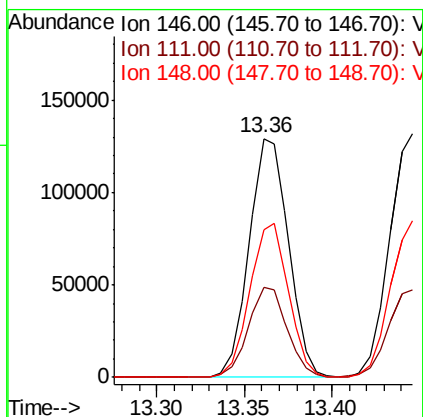
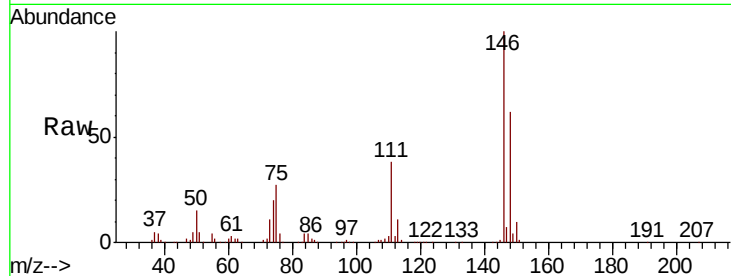




#63
 1,3-Dichlorobenzene
 Concen: 26.212 ug/L
 RT: 13.36 min Scan# 1893
 Delta R.T. -0.00 min
 Lab File: VY003662.D
 Acq: 04 Dec 2020 13:36

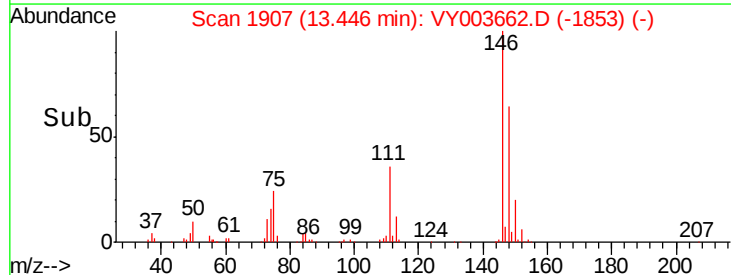
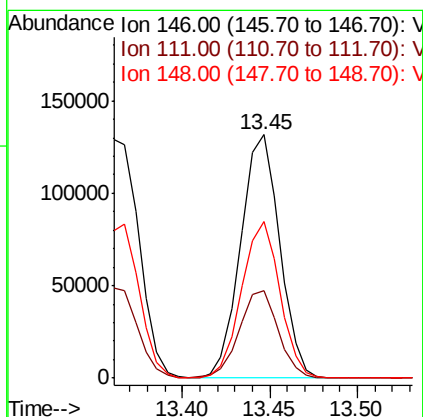
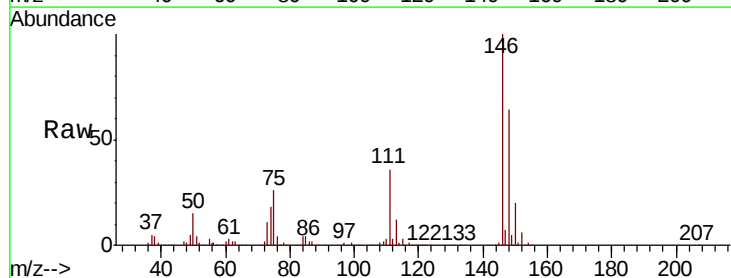
Instrument :
 MSVOA_Y
 ClientSampleId :
 BFB

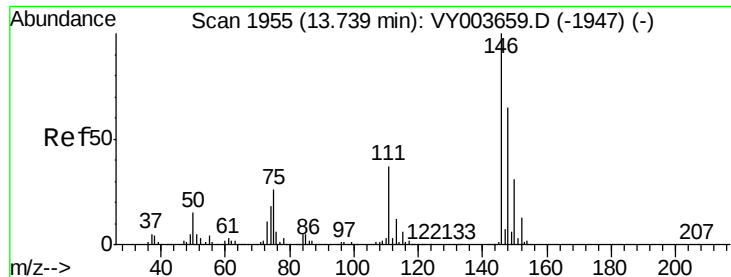
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	26.0	48.4
148	62.1	43.7	81.1



#64
 1,4-Dichlorobenzene
 Concen: 26.072 ug/L
 RT: 13.45 min Scan# 1907
 Delta R.T. -0.00 min
 Lab File: VY003662.D
 Acq: 04 Dec 2020 13:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.0	23.2	43.0
148	64.4	43.8	81.4





#65

1,2-Dichlorobenzene

Concen: 26.924 ug/L

RT: 13.74 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VY003662.D

Acq: 04 Dec 2020 13:36

Instrument :

MSVOA_Y

ClientSampleId :

BFB

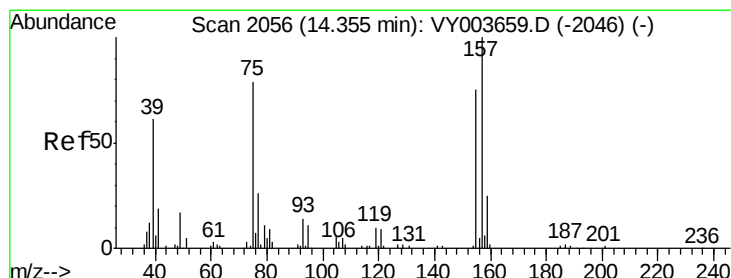
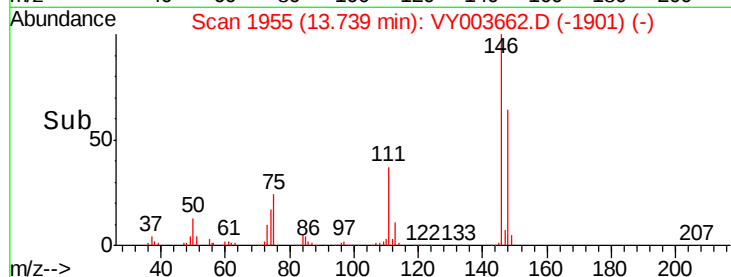
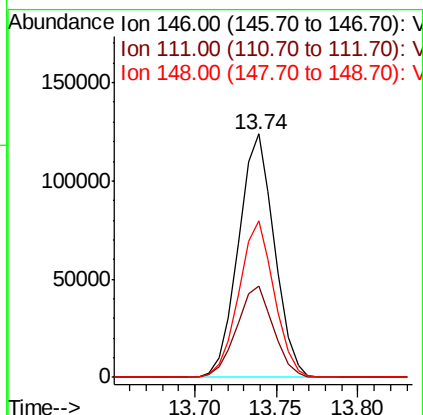
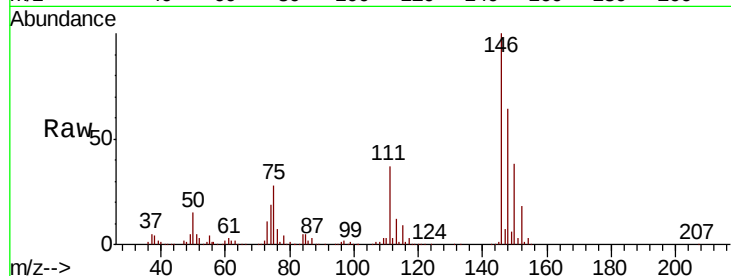
Tot Ion:146 Resp: 190425

Ion Ratio Lower Upper

146 100

111 37.4 30.0 45.0

148 64.2 51.8 77.8



#66

1,2-Dibromo-3-chloropropane

Concen: 26.028 ug/L

RT: 14.35 min Scan# 2056

Delta R.T. -0.00 min

Lab File: VY003662.D

Acq: 04 Dec 2020 13:36

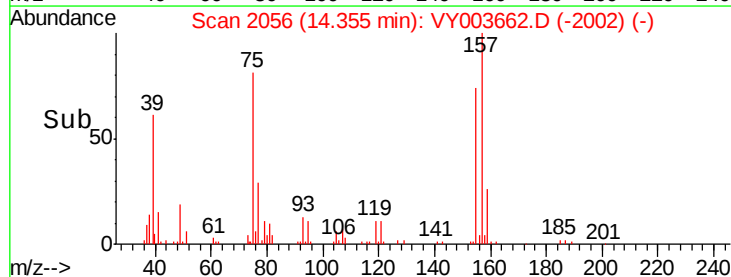
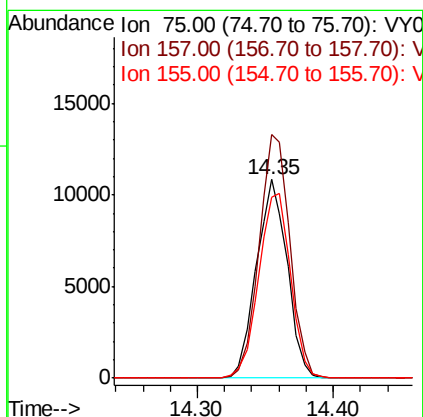
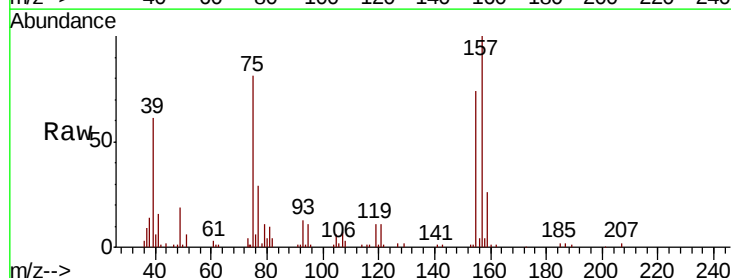
Tgt Ion: 75 Resp: 17149

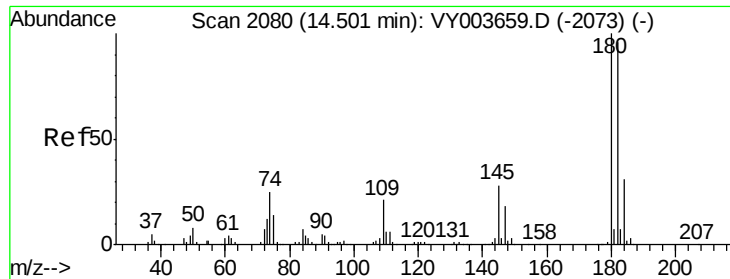
Ion Ratio Lower Upper

75 100

157 122.7 101.3 151.9

155 91.1 76.2 114.4

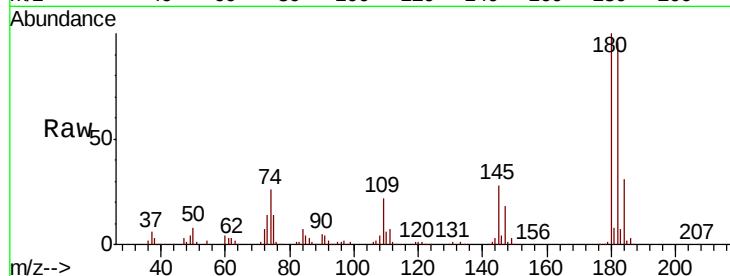




#67
 1,3,5-Trichlorobenzene
 Concen: 26.327 ug/L
 RT: 14.50 min Scan# 2080
 Delta R.T. -0.00 min
 Lab File: VY003662.D
 Acq: 04 Dec 2020 13:36

Instrument :
 MSVOA_Y
 ClientSampleId :
 BFB

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.0	114.0
184	30.9	24.2	36.2
145	27.8	22.2	33.2



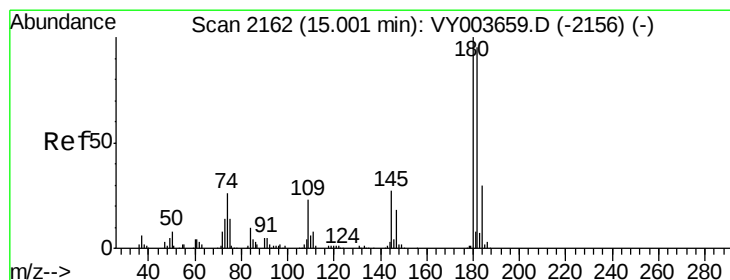
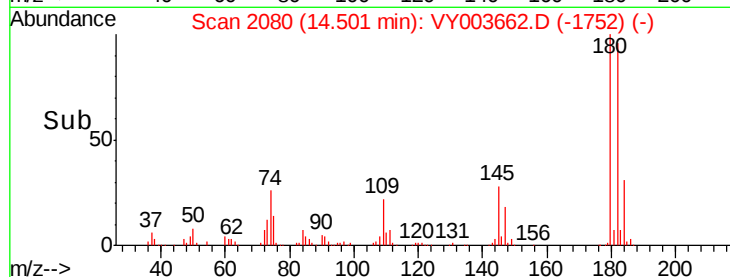
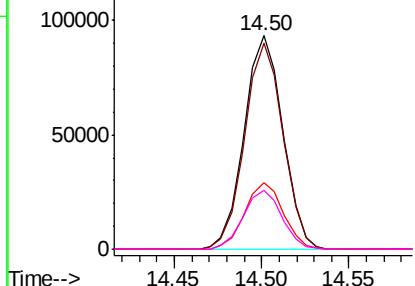
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

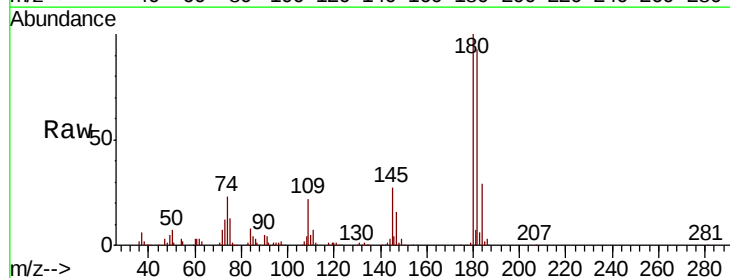
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 27.139 ug/L
 RT: 15.01 min Scan# 2163
 Delta R.T. 0.01 min
 Lab File: VY003662.D
 Acq: 04 Dec 2020 13:36

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.1	76.5	114.7
145	28.1	22.2	33.4

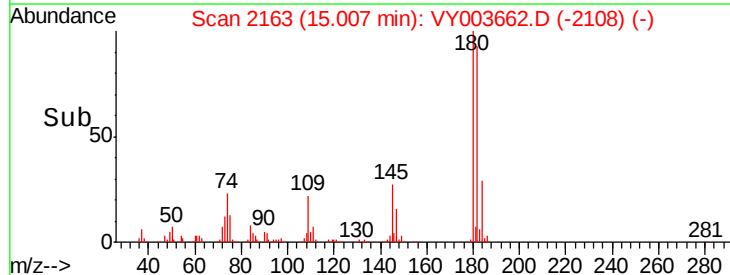
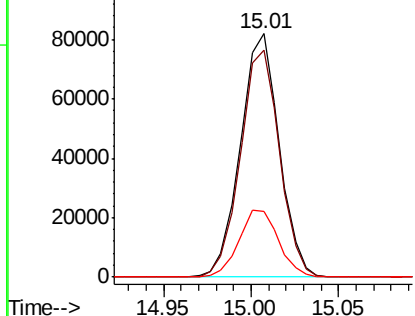


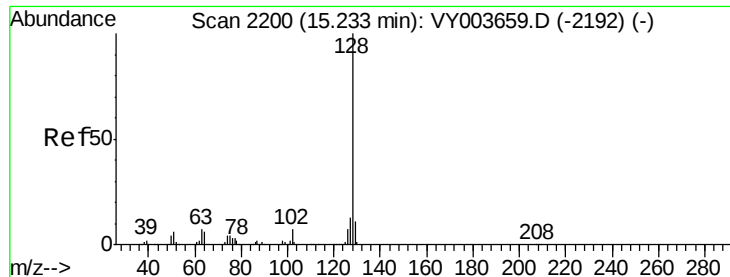
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 27.626 ug/L

RT: 15.23 min Scan# 2200

Delta R.T. -0.00 min

Lab File: VY003662.D

Acq: 04 Dec 2020 13:36

Instrument :

MSVOA_Y

ClientSampled :

BFB

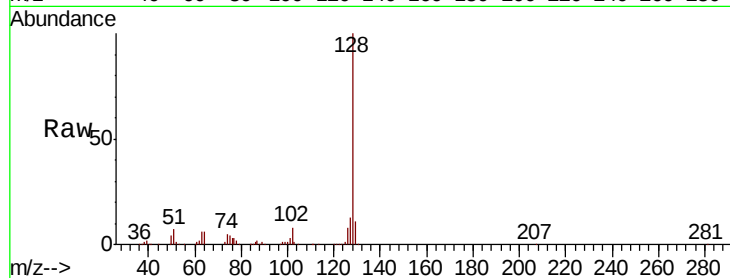
Tot Ion:128 Resp: 269404

Ion Ratio Lower Upper

128 100

129 10.8 8.7 13.1

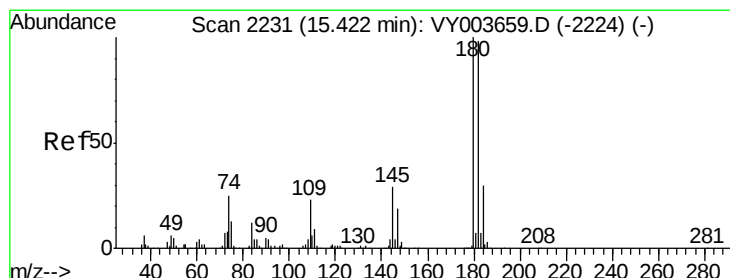
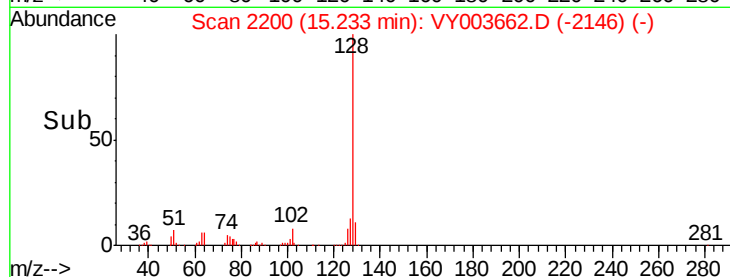
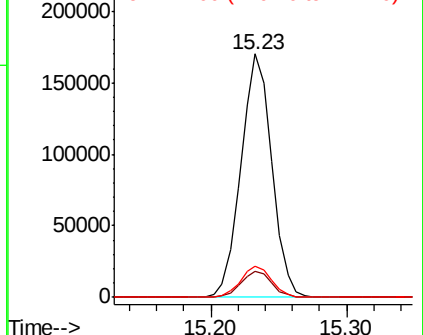
127 12.9 10.2 15.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 26.735 ug/L

RT: 15.42 min Scan# 2231

Delta R.T. -0.00 min

Lab File: VY003662.D

Acq: 04 Dec 2020 13:36

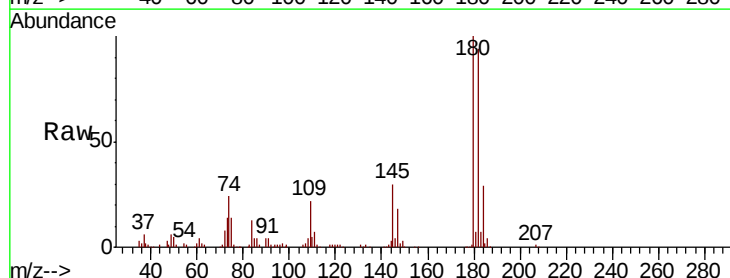
Tgt Ion:180 Resp: 113549

Ion Ratio Lower Upper

180 100

182 95.3 76.9 115.3

145 30.6 24.2 36.4



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

